RCC INSTITUTE OF INFORMATION TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to MAKAUT, W.B.
An ISO 9001 -2008 & ISO 14001 – 2004 Certified Institute
A Unit of RCC Institute of Technology an autonomous Society
of Department of Higher Education, Govt. of West Bengal.

ATTAINMENT DATA OF B.TECH IN INFORMATION TECHNOLOGY

ADMISSION BATCH 2016

DEPARTMENT OF INFORMATION TECHNOLOGY

RCC INSTITUTE OF INFORMATION TECHNOLOGY
CANAL SOUTH ROAD, BELIAGHATA, KOLKATA- 700015, WEST BENGAL.

RCC INSTITUTE OF INFORMATION TECHNOLOGY
Canal South Road, Beliaghata, Kolkata- 700015
College Code: 117
(Affiliated to Maulana Abul Kalam Azad University of Technology, W.B)

Department of Information Technology

Vision

To empower students to become pacesetters in the industry or academia for ethically promoting and nurturing Information Technology based solutions addressing multidisciplinary needs of the society towards sustainable development.

Mission

To groom the students to:

M1. Be able to develop effective solution, in different settings and capacity, by analyzing various problems cross cutting multiple domains through emphasis on the basic concepts of engineering and customized application of Information Technology.

M2. Be devoted for lifelong learning for adapting to modern tools and to engage in research and innovation on complex problems to meet societal and environmental needs.

M3. Be able to apply leadership qualities and professional ethics to work in a team with effective communication and interpersonal skills for designing economically feasible applications.

Program Outcomes (PO) *[defined by NBA]*

Engineering Graduates will be able to:

PO-1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO-2. **Problem analysis:** Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO-3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO-4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO-5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO-6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO-7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO-8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO-9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO-10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO-11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO-12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Correlation between Mission and POs												
Mission	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
M1	√	√	√		√				√			
M2				√	√	√	√					√
M3								√	√	√	√	

Program Educational Objective (PEO)

PEO-1. To learn core engineering principles for developing analytical and problem-solving skills for designing and using various applications of Information Technology.

PEO-2. To communicate and interact with external community and peer team members to understand and address different issues and challenges of environment, society and individual through applications of Information Technology and professional management skills.

PEO-3. To undertake research and development in frontiers of Information Technology through lifelong learning.

PEO-4. To become a professional with positive attitude, leadership skills, moral values and ethics.

Correlation between Mission and PEOs				
Mission	**PEO1**	**PEO2**	**PEO3**	**PEO4**
M1	*Strong*	*Strong*	*Weak*	*Weak*
M2	*Medium*	*Medium*	*Strong*	*Weak*
M3	*Weak*	*Strong*	*Weak*	*Strong*

Program Specific Outcomes (PSO)

PSO-1. Ability to develop smart programming skills through comprehensive understanding of analytical and logical concepts and algorithms.

PSO-2. Ability to investigate social, environmental, ethical and economic feasibility of an IT solution to a complex/ composite problem in terms of long-term impact and sustainability of every intricate application.

PSO-3. Ability to keep pace with fast changing technology like Machine Learning, Cloud Computing, IOT, Pattern Recognition and adapt to new tools, systems& applications and manage challenging IT projects.

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Assessment Process for Evaluation of Course Outcomes

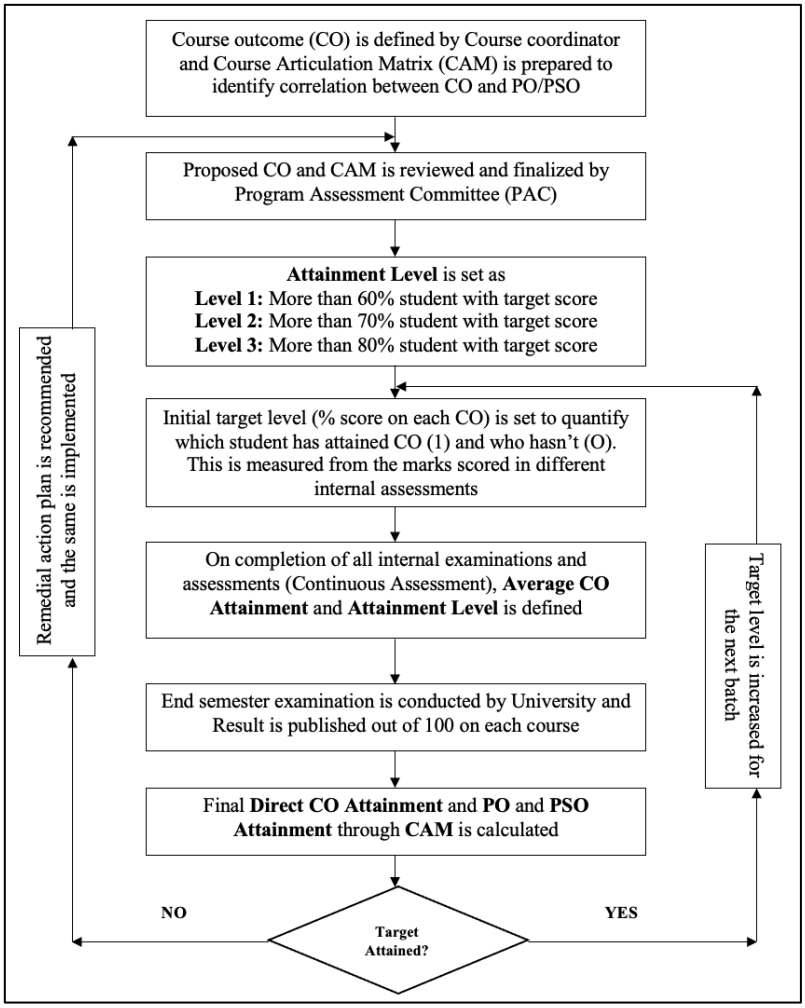

Fig.1. Assessment process and data acquisition for evaluation of course outcome

Program Articulation Matrix for All Courses

SEMESTER I

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HU101	0.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	2.00	3.00	0.00	2.00	1.00	1.00	1.00
PH101	1.80	2.33	1.83	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00
M101	2.67	2.33	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00
ES101	3.00	3.00	3.00	0.00	2.33	1.50	0.00	0.00	2.00	1.00	0.00	1.50	2.83	2.00	1.33
ME101	3.00	3.00	1.83	1.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
ES191	3.00	3.00	2.83	2.67	1.33	0.00	0.00	0.00	1.33	1.83	0.00	1.17	2.50	1.50	0.00
PH191	2.00	2.33	2.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00
ME192	1.00	0.00	0.00	0.00	0.00	1.00	2.00	1.00	1.75	1.00	1.40	1.00	1.00	1.00	1.00
HU181	0.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	2.00	3.00	0.00	2.00	1.00	1.00	1.00
XC181	2.17	2.00	1.83	2.00	2.40	3.00	2.00	1.00	3.00	3.00	2.17	2.04	2.00	2.67	1.00

SEMESTER II

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS201	3.00	1.50	2.00	1.50	2.00	2.00	2.00	2.33	3.00	3.00	1.50	1.67	3.00	2.17	2.17
CH201	3.00	1.67	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
M201	2.83	2.50	2.67	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00
ES201	3.00	3.00	3.00	0.00	2.33	1.50	0.00	0.00	2.00	1.00	0.00	1.50	2.67	2.17	1.00
ME201	2.00	2.00	1.00	0.00	1.00	1.00	2.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	0.00
CS291	3.00	1.50	2.00	1.50	2.00	2.00	2.00	2.33	3.00	3.00	1.50	1.67	3.00	1.67	1.33
CH291	3.00	1.67	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
ES291	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	1.50	1.83	0.00	1.17	2.50	1.83	1.00
ME292	2.00	2.00	2.00	0.00	1.00	1.00	0.00	2.00	2.00	0.00	0.00	0.00	1.00	1.00	0.00

SEMESTER III

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HU301	2.25	2.33	2.17	2.00	2.50	3.00	3.00	3.00	2.00	2.00	3.00	2.67	2.25	2.17	1.00
PH301	1.50	2.33	1.83	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	1.50	00.0
CH301	0.00	1.83	1.17	0.00	0.00	1.17	1.17	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
CS301	3.00	2.00	1.83	1.17	2.00	2.00	2.00	2.50	2.67	1.80	1.80	2.00	3.00	2.17	2.33
CS302	3.00	2.17	2.17	2.33	2.00	1.67	1.67	1.00	3.00	1.33	2.00	1.50	2.33	2.33	1.67
CS303	3.00	2.17	1.83	1.33	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	3.00	1.50	1.17
PH391	3.00	1.67	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.50	0.00
CS391	3.00	3.00	2.83	1.67	2.33	0.00	0.00	1.75	1.00	0.00	1.00	1.67	3.00	2.50	2.33
CS392	3.00	2.75	2.17	2.50	3.00	1.67	1.67	1.00	3.00	1.33	2.00	1.50	2.33	2.33	3.00
CS393	3.00	2.83	1.83	1.33	1.00	0.00	0.00	1.00	2.00	0.00	1.00	1.67	3.00	1.33	0.00

SEMESTER IV

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
M(CS)401	3.00	1.83	2.00	1.83	2.50	2.00	1.00	1.00	2.00	1.80	1.00	1.83	3.00	2.17	1.00
M401	3.00	2.67	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	2.50	0.00	1.00
CS401	3.00	2.00	1.83	1.17	2.00	2.00	2.00	2.50	2.67	1.80	1.80	2.00	3.00	2.17	2.33
CS402	1.83	2.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	1.00	1.33	1.50
IT401	1.33	1.33	1.33	1.00	1.33	0.00	0.00	0.00	2.00	2.00	1.50	1.00	3.00	1.00	1.00
HU481	2.25	1.83	2.50	2.60	2.60	2.50	2.00	2.33	3.00	3.00	2.00	3.00	2.25	3.00	1.25
MCS491	1.33	1.00	1.50	1.00	1.33	0.00	0.00	0.00	2.00	1.17	1.50	1.00	3.00	1.00	1.00
CS491	3.00	3.00	2.83	1.67	2.33	0.00	0.00	1.75	1.00	0	1.00	1.67	3.00	2.50	2.33
CS492	3.00	3.00	2.67	1.40	2.00	1.00	1.67	1.67	2.00	2.00	1.50	2.00	3.00	2.67	1.50
IT491	1.33	1.00	1.50	1.00	1.33	0.00	0.00	0.00	2.00	1.17	1.50	1.00	3.00	1.00	1.00

SEMESTER V

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HU501	3.00	3.00	3.00	0.00	3.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
IT501	3.00	1.83	1.67	1.17	2.00	2.00	2.00	2.50	2.67	1.80	1.80	2.00	3.00	1.67	0.00
IT502	3.00	1.83	2.00	1.83	2.50	1.00	1.00	1.00	1.50	1.80	1.00	1.83	3.00	2.17	1.00
IT503	3.00	2.00	1.83	1.40	2.00	1.00	1.00	0.00	0.00	1.20	0.00	2.00	2.50	2.33	1.33
IT504F	3.00	2.83	3.00	2.00	1.83	1.50	2.00	2.00	2.33	3.00	2.00	2.00	3.00	2.17	3.00
IT591	3.00	3.00	2.83	1.67	2.33	0.00	0.00	1.75	1.00	0.00	1.00	1.67	3.00	2.50	0.00
IT592	1.33	1.00	1.50	1.00	1.33	0.00	0.00	0.00	2.00	1.17	1.50	1.00	3.00	1.00	1.00
IT593	3.00	2.17	1.67	1.00	0.00	1.50	0.00	0.00	0.00	0.00	2.00	2.00	2.67	1.83	1.50
IT594F	2.67	2.67	2.83	2.20	2.17	2.50	2.00	3.00	2.00	2.00	2.00	1.50	3.00	2.17	3.00

SEMESTER VI

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HU601	3.00	0.00	1.00	0.00	1.00	3.00	3.00	0.00	1.00	1.50	3.00	0.00	1.50	1.00	0.00
IT601	3.00	2.17	2.67	2.00	1.67	1.00	1.00	0.00	0.00	1.00	1.00	1.50	3.00	1.00	1.00
IT602	3.00	2.00	1.83	1.17	2.00	2.00	2.00	1.75	3.00	1.80	1.80	2.33	2.00	2.17	1.67
IT603	2.00	2.00	1.80	1.00	2.60	2.00	1.00	1.00	1.60	1.17	1.40	1.33	1.17	1.50	1.00
IT604D	3.00	2.33	2.33	3.00	2.00	1.00	1.00	1.00	1.00	2.50	2.00	2.00	2.00	2.00	3.00
IT605C	2.67	1.83	1.50	1.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	2.00	3.00
IT605D	3.00	2.00	1.83	1.80	2.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	1.60	1.20	2.33
IT691	3.00	2.33	2.33	2.33	1.33	1.00	0.00	0.00	0.00	1.00	1.00	1.67	2.50	1.50	1.00
IT692	3.00	2.17	2.25	1.75	1.80	2.00	1.33	1.60	2.00	1.83	1.75	2.33	2.33	2.17	2.50
IT693	2.00	2.00	3.00	1.60	2.00	1.00	1.67	1.67	2.00	2.00	1.50	2.00	1.60	2.00	1.50
IT681	2.50	2.20	2.00	2.25	1.80	1.75	2.00	1.80	2.83	2.17	1.60	2.00	2.33	2.33	2.67

SEMESTER VII

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
IT701	2.17	2.00	1.83	1.67	1.83	1.75	1.60	2.00	2.67	1.67	1.80	2.00	2.50	2.17	1.00
IT702	1.00	0.00	3.00	0.00	1.33	0.00	0.00	0.00	1.00	0.00	1.50	1.00	1.00	0.00	1.00
IT703A	3.00	2.50	2.50	3.00	2.50	1.00	1.00	1.00	1.00	2.33	2.00	2.00	2.40	2.00	2.00
IT704B	3.00	2.00	1.67	1.80	1.67	1.67	1.50	1.20	1.50	1.17	1.20	1.67	1.25	1.40	1.67
IT705D	3.00	2.83	1.17	2.50	2.17	1.00	1.00	0.00	1.00	0.00	2.00	3.00	1.00	1.00	2.00
HU781	2.00	2.00	2.25	2.67	1.75	1.60	1.67	1.67	3.00	1.00	1.33	1.00	2.00	2.17	2.34
IT791	2.00	1.83	2.83	1.67	2.33	1.75	1.75	1.75	1.25	1.33	1.25	1.67	2.67	2.17	1.00
IT792	1.00	0.00	2.00	0.00	1.17	0.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	1.00
IT793A	3.00	2.83	3.00	3.00	2.33	1.00	1.00	1.00	2.00	2.33	2.00	2.00	3.00	3.00	2.00
IT794	2.00	2.33	2.50	2.25	2.20	2.00	2.00	0.00	3.00	0.00	2.00	2.00	1.40	1.83	1.33
IT795	2.00	2.50	3.00	2.50	2.50	2.50	3.00	2.00	3.00	3.00	2.00	2.00	1.67	2.20	2.40

SEMESTER VIII

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HU801A	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	2.00	0.00	3.00	0.00	0.00	1.67	0.00
HU801B	2.17	2.17	1.83	1.67	2.33	1.80	2.00	2.00	2.50	1.80	1.83	1.67	2.83	2.33	1.00
IT801D	3.00	2.00	2.00	1.75	0.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	1.67
IT802B	2.67	1.83	2.00	1.75	2.50	1.67	1.25	2.17	1.00	0.00	0.00	2.00	2.00	2.67	1.67
IT891	3.00	2.50	2.40	2.40	2.00	1.33	1.33	1.67	2.00	2.00	0.00	0.00	3.00	1.33	1.80
IT892	2.16	2.00	2.00	2.50	2.33	1.00	1.00	2.00	2.80	2.67	2.50	2.50	2.33	2.33	2.50
IT893	2.20	2.25	1.75	2.00	2.00	0.00	2.00	0.00	0.00	2.50	2.00	2.33	2.67	2.33	2.00

PO Attainment Matrix for All Courses

SEMESTER I

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HU101	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.00	1.67	2.50	0.00	1.67	0.83	0.83	0.83
PH101	1.80	2.33	1.83	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00
M101	2.22	1.94	1.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.00
ES101	3.00	3.00	3.00	0.00	2.33	1.50	0.00	0.00	2.00	1.00	0.00	1.50	2.83	2.00	1.33
ME101	2.50	2.50	1.53	0.83	0.00	0.83	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.83
ES191	2.40	2.40	2.27	2.13	1.07	0.00	0.00	0.00	1.07	1.47	0.00	1.16	2.00	1.20	0.00
PH191	2.00	2.33	2.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00
ME192	0.60	0.00	0.00	0.00	0.00	0.60	1.20	0.60	1.05	0.60	0.84	0.60	0.60	0.60	0.60
HU181	0.00	0.00	0.00	0.00	0.00	1.60	1.60	0.00	1.60	2.40	0.00	1.60	0.80	0.80	0.80
XC181	2.17	2.00	1.83	2.00	2.40	3.00	2.00	1.00	3.00	3.00	2.17	2.04	2.00	2.67	1.00

SEMESTER II

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS201	3.00	1.50	2.00	1.50	2.00	2.00	2.00	2.33	3.00	3.00	1.50	1.67	3.00	2.17	2.17
CH201	2.00	1.11	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00
M201	1.89	1.67	1.78	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	1.33	0.00
ES201	2.50	2.50	2.50	0.00	1.94	1.25	0.00	0.00	1.67	0.83	0.00	1.25	2.22	1.81	0.83
ME201	1.33	1.33	0.67	0.00	0.67	0.67	1.33	0.67	0.00	0.00	0.67	0.67	0.00	0.67	0.00
CS291	1.80	0.90	1.20	0.90	1.20	1.20	1.20	1.40	1.80	1.80	0.90	1.00	1.80	1.00	0.80
CH291	2.20	1.22	0.73	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00
ES291	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	1.50	1.83	0.00	1.17	2.50	1.83	1.00
ME292	2.00	2.00	2.00	0.00	1.00	1.00	0.00	2.00	2.00	0.00	0.00	0.00	1.00	1.00	0.00

SEMESTER III

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HU301	2.25	2.33	2.17	2.00	2.50	3.00	3.00	3.00	2.00	2.00	3.00	2.67	2.25	2.17	1.00
PH301	1.25	1.94	1.53	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	1.25	0.00
CH301	0.00	1.83	1.17	0.00	0.00	1.17	1.17	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
CS301	2.00	1.33	1.22	0.78	1.33	1.33	1.33	1.67	1.78	1.20	1.20	1.33	2.00	1.44	1.56
CS302	2.50	1.81	1.81	1.94	1.67	1.39	1.39	0.83	2.50	1.11	1.67	1.25	1.94	1.94	1.39
CS303	2.00	1.44	1.22	0.89	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.67	2.00	1.00	0.78
PH391	3.00	1.67	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	1.50	0.00
CS391	2.40	2.40	2.27	1.33	1.87	0.00	0.00	1.40	0.80	0.00	0.80	1.33	2.40	2.00	1.87
CS392	2.40	2.20	1.73	2.00	2.40	1.33	1.33	0.80	2.40	1.07	1.60	1.20	1.87	1.87	2.40
CS393	2.40	2.27	1.47	1.07	0.80	0.00	0.00	0.80	1.60	0.00	0.80	1.33	2.40	1.07	0.00

SEMESTER IV

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
M(CS)401	2.50	1.53	1.67	1.53	2.08	1.67	0.83	0.83	1.67	1.50	0.00	0.00	2.50	1.81	0.83
M401	2.50	2.22	2.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.00	2.08	0.00	0.83
CS401	2.50	1.67	1.53	0.97	1.67	1.67	1.67	2.08	2.22	1.50	1.50	1.67	2.50	1.81	1.94
CS402	1.83	2.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	1.00	1.33	1.50
IT401	1.33	1.33	1.33	1.00	1.33	0.00	0.00	0.00	2.00	2.00	1.50	1.00	3.00	1.00	1.00
HU481	2.25	1.83	2.50	2.60	2.60	2.50	2.00	2.33	3.00	3.00	2.00	3.00	2.25	3.00	1.25
M(CS)491	1.33	1.00	1.50	1.00	1.33	0.00	0.00	0.00	2.00	1.17	1.50	1.00	3.00	1.00	1.00
CS491	3.00	3.00	2.83	1.67	2.33	0.00	0.00	1.75	1.00	0.00	1.00	1.67	3.00	2.50	2.33
CS492	2.00	2.00	1.78	0.93	1.33	0.67	1.11	1.11	1.33	1.33	1.00	1.33	2.00	1.78	1.00
IT491	1.16	0.87	1.30	0.87	1.16	0.00	0.00	0.00	1.73	1.01	1.30	0.87	2.60	0.87	0.87

SEMESTER V

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HU501	3.00	3.00	3.00	0.00	3.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
IT501	2.50	1.53	1.39	0.97	1.67	1.67	1.67	2.08	2.22	1.50	1.50	1.67	2.50	1.39	0.00
IT502	1.50	0.92	1.00	0.92	1.25	0.50	0.50	0.50	0.75	0.90	0.50	0.92	1.50	1.08	0.5
IT503	2.50	1.67	1.53	1.17	1.67	0.83	0.83	0.00	0.00	1.00	0.00	1.67	2.08	1.94	1.11
IT504F	2.50	2.36	2.50	1.67	1.53	1.25	1.67	1.67	1.94	2.50	1.67	1.67	2.50	1.81	2.50
IT591	2.40	2.40	2.27	1.33	1.87	0.00	0.00	1.40	0.80	0.00	0.80	1.33	2.40	2.00	0.00
IT592	1.06	0.80	1.20	0.80	1.06	0.00	0.00	0.00	1.60	0.94	1.20	0.80	2.40	0.80	0.80
IT593	3.00	2.17	1.67	1.00	0.00	1.50	0.00	0.00	0.00	0.00	2.00	2.00	2.67	1.83	1.50
IT594F	2.31	2.31	2.46	1.91	1.88	2.17	1.73	2.60	1.73	1.73	1.73	1.30	2.60	1.88	2.60

SEMESTER VI

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HU601	2.50	0.00	0.83	0.00	0.83	2.50	2.50	0.00	0.83	1.25	2.50	0.00	1.25	0.83	0
IT601	2.50	1.81	2.22	1.67	1.39	0.83	0.83	0.00	0.00	0.83	0.83	1.25	2.50	0.83	0.83
IT602	2.00	1.33	1.22	0.78	1.33	1.33	1.33	1.17	2.00	1.20	1.20	1.56	1.33	1.44	1.11
IT603	1.00	1.00	0.90	0.50	1.30	1.00	0.50	0.50	0.80	0.58	0.70	0.67	0.58	0.75	0.50
IT604D	2.50	1.94	1.94	2.50	1.67	0.83	0.83	0.83	0.83	2.08	1.67	1.67	1.67	1.67	2.50
IT605C	2.22	1.53	1.25	1.33	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	1.67	2.50
IT605D	2.00	1.33	1.22	1.20	1.33	0.00	0.00	0.00	0.00	0.00	0.00	1.33	1.07	0.80	1.56
IT691	2.60	2.02	2.02	2.02	1.16	0.87	0.00	0.00	0.00	0.87	0.87	1.44	2.17	1.30	0.87
IT692	3.00	2.17	2.25	1.75	1.80	2.00	1.33	1.60	2.00	1.83	1.75	2.33	2.33	2.17	2.50
IT693	1.60	1.60	2.40	1.28	1.60	0.80	1.33	1.33	1.60	1.60	1.20	1.60	1.28	1.60	1.20
IT681	2.50	2.20	2.00	2.25	1.80	1.75	2.00	1.80	2.83	2.17	1.60	2.00	2.33	2.33	2.67

SEMESTER VII

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
IT701	2.17	2.00	1.83	1.67	1.83	1.75	1.60	2.00	2.67	1.67	1.80	2.00	2.50	2.17	1.00
IT702	0.83	0.00	2.50	0.00	1.11	0.00	0.00	0.00	0.83	0.00	1.25	0.83	0.83	0.00	0.83
IT703A	2.50	2.08	2.08	2.50	2.08	0.83	0.83	0.83	0.83	1.94	1.67	1.67	2.00	1.67	1.67
IT704B	3.00	2.00	1.67	1.80	1.67	1.67	1.50	1.20	1.50	1.17	1.20	1.67	1.25	1.40	1.67
IT705D	3.00	2.83	1.17	2.50	2.17	1.00	1.00	0.00	1.00	0.00	2.00	3.00	1.00	1.00	2.00
HU781	2.00	2.00	2.25	2.67	1.75	1.60	1.67	1.67	3.00	1.00	1.33	1.00	2.00	2.17	2.34
IT791	1.60	1.47	2.27	1.33	1.87	1.40	1.40	1.40	1.00	1.07	1.00	1.33	2.13	1.73	0.80
IT792	1.00	0.00	2.00	0.00	1.17	0.00	0.00	0.00	0.00	0.00	2.00	1.00	1.00	2.00	1.00
IT793A	3.00	2.83	3.00	3.00	2.33	1.00	1.00	1.00	2.00	2.33	2.00	2.00	3.00	3.00	2.00
IT794	2.00	2.33	2.50	2.25	2.20	2.00	2.00	0.00	3.00	0.00	2.00	2.00	1.40	1.83	1.33
IT795	1.07	1.33	1.60	1.33	1.33	1.33	1.60	1.07	1.60	1.60	1.07	1.07	0.89	1.17	1.28

SEMESTER VIII

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HU801A	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	2.00	0.00	3.00	0.00	0.00	1.67	0.00
HU801B	2.17	2.17	1.83	1.67	2.33	1.80	2.00	2.00	2.50	1.80	1.83	1.67	2.83	2.33	1.00
IT801D	3.00	2.00	2.00	1.75	0.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00	1.67
IT802B	2.67	1.83	2.00	1.75	2.50	1.67	1.25	2.17	1.00	0.00	0.00	2.00	2.00	2.67	1.67
IT891	3.00	2.50	2.40	2.40	2.00	1.33	1.33	1.67	2.00	2.00	0.00	0.00	3.00	1.33	1.80
IT892	1.87	1.73	1.73	2.17	2.02	0.87	0.87	1.73	2.43	2.31	2.17	2.17	2.02	2.02	2.17
IT893	2.20	2.25	1.75	2.00	2.00	0.00	2.00	0.00	0.00	2.50	2.00	2.33	2.67	2.33	2.00

Overall Attainment Calculation Process

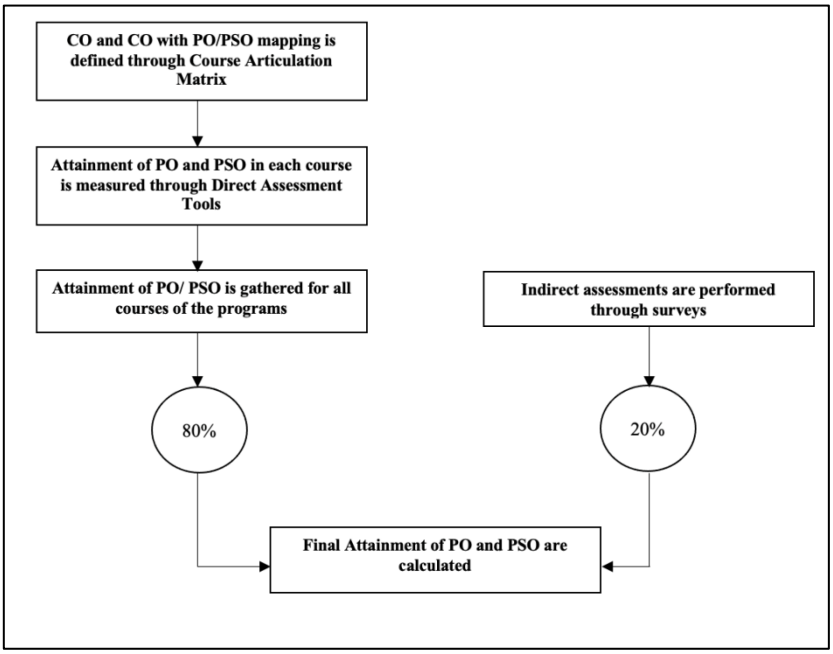

Fig. 2. Overall (Final) Attainment Calculation Process

Overall PO and PSO Attainment

Table 1: Overall PO Attainment

Attainments	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.19	1.93	1.84	1.54	1.75	1.46	1.42	1.47	1.78	1.63	1.50	1.52
Indirect Attainment	1.51	1.88	2.27	1.91	2.27	1.88	1.52	2.21	2.27	1.24	1.47	1.88
Overall Attainment	2.054	1.92	1.926	1.614	1.854	1.544	1.44	1.618	1.878	1.552	1.494	1.592

Table 2: Overall PSO Attainment

Attainments	PSO1	PSO2	POS3
Direct Attainment	1.95	1.61	1.45
Indirect Attainment	2.33	1.5	2.11
Overall Attainment	2.026	1.588	1.582

Target Levels and Attainment Levels for All Courses

Semester Number	Course Code	Internal Assessment			End Semester Exam			Total Attainment level
		Target (%)	% of Student who have crossed / achieved the target	Attainment level	Target (%)	% of Student who have crossed / achieved the target	Attainment level	
1	HU101	80	94.92	3	60	71	2	2.5
1	PH101	60	98.18	3	45	84	3	3
1	M101	80	93.1	3	60	72	2	2.5
1	ES101	60	98.18	3	45	84	3	3
1	ME101	60	98.18	3	55	75	2	2.5
1	PH191	80	84	3	70	91	3	3
1	ES191	80	84	3	80	73	2	2.4
1	ME192	80	97	3	80	67	1	1.8
1	HU181	80	94.92	3	60	71	2	2.4
1	XC181	80	99.81	3	80	100	3	3
2	CS201	70	83.15	3	50	84	3	3
2	CH201	70	67.57	1	50	80	3	2
2	M201	70	90.21	3	50	64	1	2
2	ES201	70	83.15	3	50	78	2	2.5
2	ME201	70	69.56	1	45	80	3	2
2	CS291	80	94	3	80	65	1	1.8
2	CH291	80	68	1	80	95	3	2.2
2	ES291	80	94	3	80	93	3	3
2	ME292	80	94	3	80	87	3	3
3	HU301	80	80.6	3	60	85	3	3
3	PH301	70	94.04	3	55	77	2	2.5
3	CH301	60	96	3	55	86	3	3
3	CS301	80	82	3	55	62	1	2
3	CS302	70	71.93	2	50	85	3	2.5
3	CS303	60	70.92	2	55	78	2	2
3	PH391	80	97	3	60	84	3	3
3	CS391	80	99	3	80	74	2	2.4
3	CS392	80	90	3	70	78	2	2.4
3	CS393	80	93	3	80	71	2	2.4
4	M(CS)401	80	87	3	55	78	2	2.5
4	M401	80	78	2	60	81	3	2.5
4	CS401	80	87	3	55	78	2	2.5
4	CS402	60	93.98	3	50	81	3	3
4	IT401	60	98.12	3	55	93	3	3
4	HU481	80	89.11	3	80	92.85	3	3
4	M(CS)491	80	100	3	80	85	3	3
4	CS491	80	99	3	80	81	3	3
4	CS492	80	77	2	80	79	2	2
4	IT491	80	77	2	80	93	3	2.6

Semester Number	Course Code	Internal Assessment			End Semester Exam			Total Attainment level
		Target (%)	% of Student who have crossed / achieved the target	Attainment level	Target (%)	% of Student who have crossed / achieved the target	Attainment level	
5	**HU501**	80	96.76	3	60	96	3	3
5	**IT501**	80	93.87	3	60	70	2	2.5
5	**IT502**	80	63.09	1	60	79	2	1.5
5	**IT503**	80	85.5	3	60	72	2	2.5
5	**IT504F**	80	79.93	2	60	85	3	2.5
5	**IT591**	80	95	3	70	74	2	2.4
5	**IT592**	80	100	3	80	74	2	2.4
5	**IT593**	80	90	3	80	100	3	3
5	**IT594F**	80	72	2	80	89	3	2.6
6	**HU601**	80	94.72	3	60	76	2	2.5
6	**IT601**	80	77	2	60	88	3	2.5
6	**IT602**	80	75	2	80	74	2	2
6	**IT603**	80	72.95	2	70	61	1	1.5
6	**IT604D**	60	73.12	2	60	100	3	2.5
6	**IT605C**	80	72.12	2	60	95	3	2.5
6	**IT605D**	80	89	3	70	69	1	2
6	**IT691**	80	71	2	80	95	3	2.6
6	**IT692**	80	97	3	80	89	3	3
6	**IT693**	80	90	3	80	76	2	2.4
6	**IT681**	80	98	3	80	94	3	3
7	**IT701**	80	94.38	3	60	88	3	3
7	**IT702**	60	70.4	2	60	93	3	2.5
7	**IT703A**	60	70.4	2	60	100	3	2.5
7	**IT704B**	80	94.38	3	60	89	3	3
7	**IT705D**	70	93.7	3	50	91	3	3
7	**HU781**	80	98	3	80	98	3	3
7	**IT791**	80	99	3	80	72	2	2.4
7	**IT792**	80	84	3	80	97	3	3
7	**IT793A**	80	89	3	80	100	3	3
7	**IT794**	-	-	-	80	100	3	3
7	**IT795**	80	76.02	2	75	63	1	1.6
8	**HU801A**	80	82.14	3	80	89	3	3
8	**IT801B**	80	88.67	3	60	81	3	3
8	**IT801D**	80	98	3	80	97	3	3
8	**IT802B**	80	92.17	3	80	97	3	3
8	**IT891**	80	100	3	80	99	3	3
8	**IT892**	80	93.19	3	80	75.51	2	2.6
8	**IT893**	-	-	-	80	91	3	3

Attainment Details for All Courses

Attainment Details of Semester I

Mapping of CO with PO and PSO of English Language & Technical Communication (Paper code: HU-101)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	-	-	-	-	-	2	2	-	2	3	-	2
CO2	-	-	-	-	-	2	2	-	2	3	-	3
CO3	-	-	-	-	-	2	2	-	2	3	-	2
CO4	-	-	-	-	-	2	2	-	2	3	-	2
CO5	-	-	-	-	-	2	2	-	2	3	-	2
CO6	-	-	-	-	-	2	2	-	2	3	-	1
AVERAGE	0	0	0	0	0	2.00	2.00	0	2.00	3.00	0	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	1	1
CO2	1	1	1
CO3	1	1	1
CO4	1	1	1
CO5	1	1	1
CO6	1	1	1
AVERAGE	1.00	1.00	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's CA1/CA2/CA3/CA4						Univ. Exam	Course Outcome Attainment with target in %						
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						60%	80%					
1	IT2016/034	11700216006	YASH AGARWAL		8	13	21	12	8	20	55	1	1	1	1	1	1	0
2	IT2016/071	11700216007	VIVEK KUMAR		8	13	20	11	8	20	45	1	1	1	0	1	1	0
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		8	11	20	13	7	20	45	1	0	1	1	0	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	12	23	13	9	22	65	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	11	22	12	9	21	55	1	0	1	1	1	1	0
6	IT2016/037	11700216011	TIASHA SARKAR		8	13	21	13	9	22	55	1	1	1	1	1	1	0
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	13	21	13	7	21	45	0	1	1	1	0	1	0
8	IT2016/081	11700216013	SWETA BOSE		9	14	23	15	8	24	75	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		10	13	24	14	9	23	75	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	12	21	12	10	22	65	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	13	23	14	9	24	75	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	14	23	13	10	23	75	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		6	14	20	12	8	20	55	0	1	1	1	1	1	0
14	IT2016/094	11700216019	SUBHOJEET BHADURI		7	13	20	12	8	20	55	0	1	1	1	1	1	0
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	13	24	14	9	23	75	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	14	23	13	10	24	75	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		10	13	24	15	9	23	75	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		7	14	20	14	8	21	55	0	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		10	13	24	15	9	24	75	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		9	13	22	14	8	23	65	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	12	20	13	7	21	55	1	1	1	1	0	1	0
22	IT2016/049	11700216027	SHREYA VATS		9	15	23	15	9	24	75	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		10	14	24	14	9	24	75	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		10	14	23	14	10	24	75	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		9	14	22	14	8	23	65	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		10	13	23	13	8	23	65	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		9	12	21	13	8	22	55	1	1	1	1	1	1	0
28	IT2016/029	11700216033	SANANDA PODDER		8	13	22	14	9	23	65	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		9	12	21	12	10	22	65	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		10	12	22	14	8	22	65	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		9	14	23	13	10	24	75	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		9	13	23	13	9	23	65	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		8	14	23	13	9	22	65	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		9	14	23	14	10	23	75	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		9	15	24	15	9	25	75	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		9	13	22	12	9	3	65	1	1	1	1	1	0	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		10	15	25	15	10	25	85	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		9	14	24	14	9	23	75	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		9	12	20	11	10	21	55	1	1	1	0	1	1	0
40	IT2016/077	11700216045	PUSPITA DAS		8	11	20	13	7	21	45	1	0	1	1	0	1	0

41	IT2016/092	11700216046	PRIYANKA DAS	9	14	23	14	9	23	65	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	13	24	14	9	24	75	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	13	21	14	8	22	65	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	22	13	9	22	65	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	14	21	12	9	23	65	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	10	13	24	15	10	25	85	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	10	12	24	15	9	25	85	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	23	14	9	23	75	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	14	23	14	10	23	75	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	13	23	13	10	23	75	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	9	13	21	13	9	22	55	1	1	1	1	1	1	0
52	IT2016/066	11700216058	LAKHAN KUMAR	9	14	23	13	10	23	65	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	9	11	20	11	9	20	55	1	0	1	0	1	1	0
54	IT2016/045	11700216060	KUMARI RIYA	10	14	24	14	9	24	85	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	23	13	10	23	85	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	12	20	14	6	20	55	1	1	1	1	0	1	0
57	IT2016/073	11700216063	KAVERI SAHA	8	14	22	12	10	22	65	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	12	20	12	8	21	65	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	9	12	21	12	9	22	55	1	1	1	1	1	1	0
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	13	8	23	65	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	13	23	13	9	23	75	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	14	23	13	8	24	75	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	13	23	13	8	22	75	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	13	21	11	9	22	55	1	1	1	0	1	1	0
65	IT2016/089	11700216071	DIPANJAN RAY	7	12	20	11	9	20	24	0	1	1	0	1	1	0
66	IT2016/043	11700216072	DEVESH DUGAR	8	14	22	13	9	23	75	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	12	20	13	8	21	55	1	1	1	1	1	1	0
68	IT2016/015	11700216075	BITTU KUMAR	8	12	21	13	8	21	65	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	9	12	22	12	8	21	65	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	9	11	20	12	9	20	55	1	0	1	1	1	1	0
71	IT2016/095	11700216078	AYUSH PARWAL	9	12	22	13	9	23	65	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	11	20	12	9	21	55	1	0	1	1	1	1	0
73	IT2016/090	11700216080	AVIK DATTA	8	13	22	13	10	22	75	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	9	14	23	13	10	23	75	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	14	22	13	10	23	75	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	9	12	20	13	6	20	55	1	1	1	1	0	1	0
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	14	23	14	9	23	75	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	13	24	14	10	24	75	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	8	13	23	13	9	23	75	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	12	20	12	8	20	55	1	1	1	1	1	1	0
81	IT2016/001	11700216088	ARGHYA MRIDHA	9	13	20	12	8	20	55	1	1	1	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	13	22	13	8	22	65	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	8	13	20	12	9	21	65	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	9	12	22	13	9	23	75	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	7	13	20	13	7	21	55	0	1	1	1	0	1	0
86	IT2016/084	11700216094	ANKITA SAHA	9	11	20	13	7	22	65	1	0	1	1	0	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	13	22	13	9	23	75	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	8	12	20	13	8	20	55	1	1	1	1	1	1	0
89	IT2016/051	11700216097	AMAN KUMAR	7	13	22	14	9	21	65	0	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	8	13	20	12	9	23	65	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	9	13	22	14	9	23	75	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	14	23	13	8	23	75	1	1	1	1	1	1	1

1	85	85	92	87	84	91	65
0	7	7	0	5	8	1	27
CO attn	0.92	0.92	1.00	0.95	0.91	0.99	**0.71**

Avg Attn	**0.949**
Attn Level	**3**

Avg Attn	**0.71**
Attn Level	**2**

Overall Course Outcome Attainment													
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)													
Direct CO attainment level	2.5												
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	0	0	0	0	0	2.00	2.00	0	2.00	3.00	0	2.00	
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Attainment of PO for this course	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.00	1.67	2.50	0.00	1.67	**0.76**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO2	
Avg values from table 2	1.00	1.00	1.00	
Overall (Direct) CO attainment level	2.5	2.50	2.5	
Attainment of PSO for this course	0.83	0.83	0.83	**0.83**

Mapping of CO with PO of PHYSICS I (Paper code: PH-101)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1	TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	CO1	3	2	1	-	-	-	-	-	-	-	-	-
	CO2	1	3	2	-	-	-	-	-	-	-	-	-
	CO3	3	2	1	1	-	-	-	-	-	-	-	-
	CO4	1	3	2	-	-	-	-	-	-	-	-	-
	CO5	1	3	2	0	-	-	-	-	-	-	-	-
	CO6	-	1	3	2	-	-	-	-	-	-	-	-
	AVERAGE	1.80	2.33	1.83	1.00	0	0	0	0	0	0	0	0
	Average =sum/ number of entry												

Table 2	TABLE 2	PSO1	PSO2	PSO3
	CO1	2	-	-
	CO2	2	-	-
	CO3	2	-	-
	CO4	2	-	-
	CO5	2	-	-
	CO6	2	-	-
	AVERAGE	2.00	0	0

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's CA1/CA2/CA3/CA4						Univ. Exam	Course Outcome Attainment with target in %						
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	60%					45%	60%						
1	IT2016/034	11700216006	YASH AGARWAL		8	13	21	12	8	20	55	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	13	20	11	8	20	65	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		8	11	20	13	7	20	55	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	15	25	15	10	25	75	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	11	22	12	9	21	55	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		8	13	21	13	9	22	35	1	1	1	1	1	1	0
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	13	21	13	7	21	35	1	1	1	1	1	1	0
8	IT2016/081	11700216013	SWETA BOSE		10	15	25	15	10	25	55	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		10	13	24	14	9	23	45	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	12	21	12	10	22	65	1	1	1	1	1	1	1

11	IT2016/013	11700216016	SUSTHIT BISWAS	10	13	23	14	9	24	55	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR	9	14	23	13	10	23	45	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR	6	14	20	12	8	20	45	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI	7	13	20	12	8	20	65	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	10	13	24	14	9	23	45	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	9	14	23	13	10	24	35	1	1	1	1	1	1	0
17	IT2016/038	11700216022	SOMA ROY	10	13	24	15	9	23	35	1	1	1	1	1	1	0
18	IT2016/058	11700216023	SK MD FARUK	7	14	20	14	8	21	35	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI	10	13	24	15	9	24	35	1	1	1	1	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN	9	13	22	14	8	23	55	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	10	15	25	15	10	25	75	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	9	15	23	15	9	24	45	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	10	14	24	14	9	24	55	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	10	14	23	14	10	24	55	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	5	9	17	10	7	15	35	0	1	1	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK	10	13	23	13	8	23	55	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	9	12	21	13	8	22	55	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	8	13	22	14	9	23	65	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	5	11	18	9	7	19	35	0	1	1	1	1	1	0
30	IT2016/002	11700216035	RONAK BARMAN	6	8	16	7	5	15	45	1	0	1	0	0	1	1
31	IT2016/036	11700216036	ROHIT SINGH	9	14	23	13	10	24	55	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	9	13	23	13	9	23	55	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	8	14	23	13	9	22	55	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	9	14	23	14	10	23	65	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	9	15	24	15	9	25	45	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	9	13	22	12	9	3	55	1	1	1	1	1	0	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	15	25	15	10	25	55	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	14	24	14	9	23	65	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	9	12	20	11	10	21	45	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	8	11	20	13	7	21	65	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	9	14	23	14	9	23	55	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	13	24	14	9	24	45	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	13	21	14	8	22	45	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	22	13	9	22	55	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	14	21	12	9	23	55	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	10	13	24	15	10	25	45	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	10	12	24	15	9	25	55	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	23	14	9	23	65	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	14	23	14	10	23	45	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	13	23	13	10	23	55	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	9	13	21	13	9	22	45	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	9	14	23	13	10	23	45	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	9	11	20	11	9	20	55	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	10	14	24	14	9	24	55	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	23	13	10	23	55	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	12	20	14	6	20	35	1	1	1	1	1	1	0
57	IT2016/073	11700216063	KAVERI SAHA	8	14	22	12	10	22	55	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	12	20	12	8	21	35	1	1	1	1	1	1	0
59	IT2016/007	11700216065	HOZAIFA WAHID	9	12	21	12	9	22	85	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	13	8	23	65	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	13	23	13	9	23	55	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	14	23	13	8	24	45	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	13	23	13	8	22	65	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	13	21	11	9	22	65	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	12	20	11	9	20	45	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	8	14	22	13	9	23	65	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	12	20	13	8	21	55	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	8	12	21	13	8	21	35	1	1	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	9	12	22	12	8	21	35	1	1	1	1	1	1	0
70	IT2016/009	11700216077	BIDISHA MONDAL	9	11	20	12	9	20	75	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	12	22	13	9	23	55	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	11	20	12	9	21	35	1	1	1	1	1	1	0
73	IT2016/090	11700216080	AVIK DATTA	8	13	22	13	10	22	65	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	5	11	18	9	7	19	65	0	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	14	22	13	10	23	45	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	9	12	20	13	6	20	55	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	14	23	14	9	23	65	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	13	24	14	10	24	45	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	8	13	23	13	9	23	45	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	12	20	12	8	20	55	1	1	1	1	1	1	1

81	IT2016/001	11700216088	ARGHYA MRIDHA	5	11	13	9	7	14	35	0	1	0	1	1	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	13	22	13	8	22	35	1	1	1	1	1	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	8	13	20	12	9	21	45	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	9	12	22	13	9	23	45	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	7	13	20	13	7	21	55	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	9	11	20	13	7	22	55	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	13	22	13	9	23	55	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	8	12	20	13	8	20	45	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	7	13	22	14	9	21	55	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	8	13	20	12	9	23	65	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	9	13	22	14	9	23	65	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	14	23	13	8	23	55	1	1	1	1	1	1	1

1	88	91	91	91	91	90	77
0	4	1	1	1	1	2	15
CO attn	0.96	0.99	0.99	0.99	0.99	0.98	0.84

Avg Attn	0.98
Attn Level	3

Avg Attn	0.84
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level: 3

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	1.80	2.33	1.83	1.00	0	0	0	0	0	0	0	0	
Overall (Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	1.80	2.33	1.83	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.58**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.00	0	0	
Overall (Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	2	0	0	**0.67**

Mapping of CO with PO and PSO of Mathematics-1 (Paper code: M101)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	0	0	0	0	0	0	0	0	0
CO2	2	3	3	0	0	0	0	0	0	0	0	0
CO3	2	3	3	0	0	0	0	0	0	0	0	0
CO4	3	1	3	0	0	0	0	0	0	0	0	0
CO5	3	2	1	0	0	0	0	0	0	0	0	0
CO6	3	2	2	0	0	0	0	0	0	0	0	0
AVERAGE	2.67	2.33	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	2	2	-
CO2	2	2	-
CO3	2	2	-
CO4	2	2	-
CO5	2	2	-
CO6	2	2	-
AVERAGE	2.00	2.00	0

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam							
				CA1/CA2/CA3/CA4													
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						60%	80%					
1	IT2016/034	11700216006	YASH AGARWAL		7	11	22	12	9	22	75	0	0	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	12	23	11	9	22	35	1	1	1	0	1	1	0
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		8	11	22	13	7	23	65	1	0	1		0	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	12	22	13	10	23	75	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		9	13	24	12	8	22	35	1	1	1	1	1	1	0
6	IT2016/037	11700216011	TIASHA SARKAR		8	13	21	13	7	22	55	1	1	1	1	0	1	0
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	13	22	13	9	21	45	1	1	1	1	1	1	0
8	IT2016/081	11700216013	SWETA BOSE		8	14	22	15	9	21	45	1	1	1	1	1	1	0
9	IT2016/028	11700216014	SWARNALI ROY		8	13	23	14	10	24	55	1	1	1	1	1	1	0
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		9	12	23	12	9	22	75	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		9	12	22	14	9	23	65	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		7	12	22	13	10	21	65	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		10	11	21	12	8	23	55	1	0	1	1	1	1	0
14	IT2016/094	11700216019	SUBHOJEET BHADURI		8	10	21	12	9	23	55	1	0	1	1	1	1	0
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		7	12	24	14	9	23	75	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	14	22	13	7	22	45	1	1	1	1	0	1	0
17	IT2016/038	11700216022	SOMA ROY		9	13	23	15	10	22	65	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		10	13	21	14	8	24	45	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		8	12	23	15	7	24	35	1	1	1	1	0	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN		10	14	23	14	9	23	45	1	1	1	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	14	23	13	9	23	45	1	1	1	1	1	1	0
22	IT2016/049	11700216027	SHREYA VATS		8	13	22	13	8	24	75	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		7	12	22	13	7	24	75	1	1	1	1	0	1	1
24	IT2016/021	11700216029	SHASHANK ROY		8	13	24	14	9	24	55	1	1	1	1	1	1	0
25	IT2016/053	11700216030	SHAHZEB AKHTAR		8	13	24	13	9	23	45	1	1	1	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK		9	13	23	12	10	23	45	1	1	1	1	1	1	0
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		9	14	23	12	8	22	75	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		7	13	22	12	10	23	55	1	1	1	1	1	1	0
29	IT2016/030	11700216034	SAMRAT HALDER		10	12	23	11	9	22	75	1	1	1	0	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		8	12	22	10	8	23	65	1	1	1	0	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		7	12	22	12	7	21	35	1	1	1	1	0	1	0
32	IT2016/048	11700216037	RITWIKA BANERJEE		9	11	24	14	8	23	75	1	0	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		9	10	21	13	8	23	85	1	0	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		10	12	22	13	9	23	65	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		9	14	22	12	9	22	65	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		9	13	23	14	7	22	55	1	1	1	1	0	1	0
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		10	13	23	14	10	24	75	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		8	12	22	13	8	24	65	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		9	14	22	12	7	23	75	1	1	1	1	0	1	1
40	IT2016/077	11700216045	PUSPITA DAS		9	14	21	13	9	23	65	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS		7	13	21	13	9	22	65	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		10	13	24	13	10	23	85	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA		8	13	22	14	9	22	55	1	1	1	1	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		7	13	23	13	9	22	45	1	1	1	1	1	1	0
45	IT2016/070	11700216050	PRASENJIT DEY		9	12	21	12	10	24	85	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		9	12	23	15	8	21	55	1	1	1	1	1	1	0
47	IT2016/010	11700216052	PIYUSH KUMAR		10	12	23	15	9	22	45	1	1	1	1	1	1	0
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		8	11	23	14	9	22	55	1	0	1	1	1	1	0
49	IT2016/085	11700216054	PAROMITA PODDAR		10	10	22	14	7	23	65	1	0	1	1	0	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		9	12	22	13	10	23	55	1	1	1	1	1	1	0
51	IT2016/062	11700216056	MD MUZAMMIL		8	14	24	13	8	22	45	1	1	1	1	1	1	0
52	IT2016/066	11700216058	LAKHAN KUMAR		8	13	21	13	9	21	45	1	1	1	1	1	1	0
53	IT2016/008	11700216059	KUNAL THAKUR		8	12	24	11	9	21	55	1	1	1	0	1	1	0
54	IT2016/045	11700216060	KUMARI RIYA		9	14	22	14	7	24	75	1	1	1	1	0	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV		9	14	23	13	10	22	75	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA		7	13	21	14	8	23	65	1	1	1	1	1	1	1

57	IT2016/073	11700216063	KAVERI SAHA	10	12	23	12	7	21	55	1	1	1	1	0	1	0
58	IT2016/019	11700216064	INDRANI MAITY	8	13	23	12	9	23	55	1	1	1	1	1	1	0
59	IT2016/007	11700216065	HOZAIFA WAHID	7	13	23	12	9	23	35	1	1	1	1	1	1	0
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	13	22	13	8	23	85	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	14	22	13	7	22	75	1	1	1	1	0	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	10	13	24	13	9	24	55	1	1	1	1	1	1	0
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	12	24	13	9	22	45	1	1	1	1	1	1	0
64	IT2016/088	11700216070	ESHA GUPTA	9	12	23	11	10	22	85	1	1	1	0	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	10	12	23	11	8	20	55	1	1	1	0	1	1	0
66	IT2016/043	11700216072	DEVESH DUGAR	8	11	22	13	10	23	55	1	0	1	1	1	1	0
67	IT2016/060	11700216073	DAMINI KUMARI	9	10	23	13	9	21	65	1	0	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	7	14	22	13	7	21	65	1	1	1	1	0	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	10	13	24	12	8	21	45	1	1	1	1	1	1	0
70	IT2016/009	11700216077	BIDISHA MONDAL	8	13	21	12	8	23	55	1	1	1	1	1	1	0
71	IT2016/095	11700216078	AYUSH PARWAL	7	12	22	13	9	22	75	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	13	22	12	9	22	55	1	1	1	1	1	1	0
73	IT2016/090	11700216080	AVIK DATTA	9	12	23	13	7	24	65	1	1	1	1	0	1	1
74	IT2016/016	11700216081	AVIJIT DAS	10	12	23	13	10	24	75	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	8	12	22	13	9	23	55	1	1	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	10	11	22	13	10	23	55	1	0	1	1	1	1	0
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	10	23	14	8	22	65	1	0	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	8	12	23	14	10	23	85	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	7	14	22	13	9	22	75	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	13	22	12	8	22	45	1	1	1	1	1	1	0
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	13	21	12	7	24	55	1	1	1	1	0	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	10	12	21	13	8	21	35	1	1	1	1	1	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	9	14	22	12	9	22	55	1	1	1	1	1	1	0
84	IT2016/012	11700216092	ANUMITA SAHA	10	13	23	13	9	23	55	1	1	1	1	1	1	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	8	13	21	13	7	23	45	1	1	1	1	0	1	0
86	IT2016/084	11700216094	ANKITA SAHA	9	13	23	13	10	22	65	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	13	23	13	8	22	55	1	1	1	1	1	1	0
88	IT2016/074	11700216096	AMIT KUMAR	7	12	23	13	7	21	65	1	1	1	1	0	1	1
89	IT2016/051	11700216097	AMAN KUMAR	10	12	22	14	9	21	75	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	8	12	22	12	9	24	55	1	1	1	1	1	1	0
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	7	11	24	12	10	22	65	1	0	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	9	10	24	12	9	23	75	1	0	1	1	1	1	1

1	91	78	92	85	75	92	44
0	1	14	0	6	17	0	48
CO attn	0.99	0.85	1.00	0.93	0.82	1.00	0.72

Avg Attn	0.93
Attn Level	3

Avg Attn	0.72
Attn Level	2

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	2.5

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	2.67	2.33	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Attainment of PO for this course	2.22	1.94	1.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.51**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.00	2.00	0	
Overall (Direct) CO attainment level	2.5	2.5	2.5	
Attainment of PSO for this course	1.67	1.67	0.00	**1.11**

Mapping of CO with PO and PSO of Basic Eletrical & Electronic Engineering (Paper code: ES101)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	-	2	1	-	-	2	1	-	2
CO2	3	3	3	-	2	1	-	-	2	1	-	1
CO3	3	3	3	-	1	1	-	-	2	-	-	2
CO4	3	3	3	-	3	2	-	-	2	1	-	2
CO5	3	3	3	-	3	2	-	-	2	-	-	1
CO6	3	3	3	-	3	2	-	-	2	1	-	1
AVERAGE	3.00	3.00	3.00	0	2.33	1.50	0	0	2.00	1.00	0	1.50

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	1	1
CO2	2	2	1
CO3	3	2	1
CO4	3	2	2
CO5	3	3	2
CO6	3	2	1
AVERAGE	2.83	2.00	1.33

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks. Attainment Level 2: 70% of students score more thanTarget marks out of the maximum relevant marks. Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam	Course Outcome Attainment with target in %						
				CA1/CA2/CA3/CA4													
			Course Outcom	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
			Target Level	60%						45%	60%						
Sl No	Class Roll	Univ Roll	Name														
1	IT2016/034	11700216006	YASH AGARWAL	8	13	21	12	8	20	55	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR	7	13	20	11	8	20	65	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR	8	11	20	13	7	20	55	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR	10	15	25	15	10	25	75	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR	10	11	22	12	9	21	55	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR	8	13	21	13	9	22	35	1	1	1	1	1	1	0
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY	7	13	21	13	7	21	35	1	1	1	1	1	1	0
8	IT2016/081	11700216013	SWETA BOSE	10	15	25	15	10	25	55	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY	10	13	24	14	9	23	45	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE	10	12	21	12	10	22	65	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS	10	13	23	14	9	24	55	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR	9	14	23	13	10	23	45	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR	6	14	20	12	8	20	45	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI	7	13	20	12	8	20	65	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	10	13	24	14	9	23	45	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	9	14	23	13	10	24	35	1	1	1	1	1	1	0
17	IT2016/038	11700216022	SOMA ROY	10	13	24	15	9	23	35	1	1	1	1	1	1	0
18	IT2016/058	11700216023	SK MD FARUK	7	14	20	14	8	21	35	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI	10	13	24	15	9	24	35	1	1	1	1	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN	9	13	22	14	8	23	55	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	10	15	25	15	10	25	75	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	9	15	23	15	9	24	45	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	10	14	24	14	9	24	55	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	10	14	23	14	10	24	55	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	5	9	17	10	7	15	35	0	1	1	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK	10	13	23	13	8	23	55	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	9	12	21	13	8	22	55	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	8	13	22	14	9	23	65	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	5	11	18	9	7	19	35	0	1	1	1	1	1	0
30	IT2016/002	11700216035	RONAK BARMAN	6	8	16	7	5	15	45	1	0	1	0	0	1	1
31	IT2016/036	11700216036	ROHIT SINGH	9	14	23	13	10	24	55	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	9	13	23	13	9	23	55	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	8	14	23	13	9	22	55	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	9	14	23	14	10	23	65	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	9	15	24	15	9	25	45	1	1	1	1	1	1	1

36	IT2016/069	11700216041	RAJARSHI DAS	9	13	22	12	9	3	55	1	1	1	1	1	0	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	15	25	15	10	25	55	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	14	24	14	9	23	65	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	9	12	20	11	10	21	45	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	8	11	20	13	7	21	65	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	9	14	23	14	9	23	55	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	13	24	14	9	24	45	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	13	21	14	8	22	45	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	22	13	9	22	55	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	14	21	12	9	23	55	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	10	13	24	15	10	25	45	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	10	12	24	15	9	25	55	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	23	14	9	23	65	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	14	23	14	10	23	45	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	13	23	13	10	23	55	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	9	13	21	13	9	22	45	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	9	14	23	13	10	23	45	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	9	11	20	11	9	20	55	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	10	14	24	14	9	24	55	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	23	13	10	23	55	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	12	20	14	6	20	35	1	1	1	1	1	1	0
57	IT2016/073	11700216063	KAVERI SAHA	8	14	22	12	10	22	55	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	12	20	12	8	21	35	1	1	1	1	1	1	0
59	IT2016/007	11700216065	HOZAIFA WAHID	9	12	21	12	9	22	85	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	13	8	23	65	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	13	23	13	9	23	55	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	14	23	13	8	24	45	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	13	23	13	8	22	65	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	13	21	11	9	22	65	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	12	20	11	9	20	45	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	8	14	22	13	9	23	65	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	12	20	13	8	21	55	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	8	12	21	13	8	21	35	1	1	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	9	12	22	12	8	21	35	1	1	1	1	1	1	0
70	IT2016/009	11700216077	BIDISHA MONDAL	9	11	20	12	9	20	75	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	12	22	13	9	23	55	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	11	20	12	9	21	35	1	1	1	1	1	1	0
73	IT2016/090	11700216080	AVIK DATTA	8	13	22	13	10	22	65	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	5	11	18	9	7	19	65	0	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	14	22	13	10	23	45	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	9	12	20	13	6	20	55	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	14	23	14	9	23	65	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	13	24	14	10	24	45	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	8	13	23	13	9	23	45	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	12	20	12	8	20	55	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	5	11	13	9	7	14	35	0	1	0	1	1	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	13	22	13	8	22	35	1	1	1	1	1	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	8	13	20	12	9	21	45	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	9	12	22	13	9	23	45	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	7	13	20	13	7	21	55	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	9	11	20	13	7	22	55	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	13	22	13	9	23	55	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	8	12	20	13	8	20	45	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	7	13	22	14	9	21	55	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	8	13	20	12	9	23	65	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	9	13	22	14	9	23	65	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	14	23	13	8	23	55	1	1	1	1	1	1	1

1	88	91	91	91	91	90	77
0	4	1	1	1	1	2	15
CO attn	0.96	0.99	0.99	0.99	0.99	0.98	0.84

Avg Attn	0.98	Avg Attn	0.84
Attn Level	3	Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	3											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	3.00	3.00	3.00	0	2.33	1.50	0	0	2.00	1.00	0	1.50
Overall (Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3
Attainment of PO for this course	3.00	3.00	3.00	0.00	2.33	1.50	0.00	0.00	2.00	1.00	0.00	1.50	**1.44**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.83	2.00	1.33	
Overall CO attainment level	3	3.00	3	
Attainment of PSO for this course	2.83	2.00	1.33	**2.06**

Mapping of CO with PO and PSO of Engg. Mechanics (Paper code: ME101)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	1	-	1	-	-	-	-	-	-
CO2	3	3	2	-	-	1	-	-	-	-	-	-
CO3	3	3	2	-	-	1	-	-	-	-	-	-
CO4	3	3	1	1	-	1	-	-	-	-	-	-
CO5	3	3	2	-	-	1	-	-	-	-	-	-
CO6	3	3	2	1	-	1	1	-	-	-	-	-
AVERAGE	3.00	3.00	1.83	1.00	0	1.00	1.00	0	0	0	0	0
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	-	-	-
CO2	-	-	-
CO3	-	-	-
CO4	-	-	-
CO5	-	1	-
CO6	-	1	1
AVERAGE	0	1.00	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
				Course Outcomes	CA1/CA2/CA3/CA4							Course Outcome Attainment with target in %						
				Marks Distribution	CO1 10	CO2 15	CO3 25	CO4 15	CO5 10	CO6 25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	60%						55%	60%						
1	IT2016/034	11700216006	YASH AGARWAL		8	13	21	12	8	20	65	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	13	20	11	8	20	25	1	1	1	1	1	1	0
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		8	11	20	13	7	20	55	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	15	25	15	10	25	65	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	11	22	12	9	21	45	1	1	1	1	1	1	0
6	IT2016/037	11700216011	TIASHA SARKAR		8	13	21	13	9	22	65	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	13	21	13	7	21	45	1	1	1	1	1	1	0
8	IT2016/081	11700216013	SWETA BOSE		10	15	25	15	10	25	75	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		10	13	24	14	9	23	75	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	12	21	12	10	22	65	1	1	1	1	1	1	1

11	IT2016/013	11700216016	SUSTHIT BISWAS	10	13	23	14	9	24	75	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR	9	14	23	13	10	23	75	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR	6	14	20	12	8	20	65	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI	7	13	20	12	8	20	85	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	10	13	24	14	9	23	65	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	9	14	23	13	10	24	45	1	1	1	1	1	1	0
17	IT2016/038	11700216022	SOMA ROY	10	13	24	15	9	23	45	1	1	1	1	1	1	0
18	IT2016/058	11700216023	SK MD FARUK	7	14	20	14	8	21	45	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI	10	13	24	15	9	24	45	1	1	1	1	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN	9	13	22	14	8	23	55	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	10	15	25	15	10	25	65	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	9	15	23	15	9	24	55	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	10	14	24	14	9	24	65	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	10	14	23	14	10	24	55	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	5	9	17	10	7	15	25	0	1	1	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK	10	13	23	13	8	23	65	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	9	12	21	13	8	22	65	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	8	13	22	14	9	23	65	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	5	11	18	9	7	19	65	0	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	6	8	16	7	5	15	45	1	0	1	0	0	1	0
31	IT2016/036	11700216036	ROHIT SINGH	9	14	23	13	10	24	65	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	9	13	23	13	9	23	65	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	8	14	23	13	9	22	65	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	9	14	23	14	10	23	75	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	9	15	24	15	9	25	65	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	9	13	22	12	9	3	75	1	1	1	1	1	0	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	15	25	15	10	25	65	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	14	24	14	9	23	65	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	9	12	20	11	10	21	55	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	8	11	20	13	7	21	65	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	9	14	23	14	9	23	55	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	13	24	14	9	24	45	1	1	1	1	1	1	0
43	IT2016/093	11700216048	PRITAM MANNA	9	13	21	14	8	22	45	1	1	1	1	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	22	13	9	22	65	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	14	21	12	9	23	65	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	10	13	24	15	10	25	55	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	10	12	24	15	9	25	65	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	23	14	9	23	75	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	14	23	14	10	23	45	1	1	1	1	1	1	0
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	13	23	13	10	23	65	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	9	13	21	13	9	22	65	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	9	14	23	13	10	23	65	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	9	11	20	11	9	20	65	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	10	14	24	14	9	24	75	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	23	13	10	23	65	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	12	20	14	6	20	55	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	8	14	22	12	10	22	45	1	1	1	1	1	1	0
58	IT2016/019	11700216064	INDRANI MAITY	8	12	20	12	8	21	45	1	1	1	1	1	1	0
59	IT2016/007	11700216065	HOZAIFA WAHID	9	12	21	12	9	22	75	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	13	8	23	85	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	13	23	13	9	23	45	1	1	1	1	1	1	0
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	14	23	13	8	24	45	1	1	1	1	1	1	0
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	13	23	13	8	22	65	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	13	21	11	9	22	75	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	12	20	11	9	20	55	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	8	14	22	13	9	23	65	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	12	20	13	8	21	75	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	8	12	21	13	8	21	55	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	9	12	22	12	8	21	45	1	1	1	1	1	1	0
70	IT2016/009	11700216077	BIDISHA MONDAL	9	11	20	12	9	20	75	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	12	22	13	9	23	75	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	11	20	12	9	21	55	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	8	13	22	13	10	22	45	1	1	1	1	1	1	0
74	IT2016/016	11700216081	AVIJIT DAS	5	11	18	9	7	19	55	0	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	14	22	13	10	23	45	1	1	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	9	12	20	13	6	20	75	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	14	23	14	9	23	85	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	13	24	14	10	24	65	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	8	13	23	13	9	23	55	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	12	20	12	8	20	55	1	1	1	1	1	1	1

81	IT2016/001	11700216088	ARGHYA MRIDHA	5	11	13	9	7	14	25	0	1	0	1	1	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	13	22	13	8	22	25	1	1	1	1	1	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	8	13	20	12	9	21	45	1	1	1	1	1	1	0
84	IT2016/012	11700216092	ANUMITA SAHA	9	12	22	13	9	23	45	1	1	1	1	1	1	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	7	13	20	13	7	21	55	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	9	11	20	13	7	22	65	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	13	22	13	9	23	65	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	8	12	20	13	8	20	65	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	7	13	22	14	9	21	55	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	8	13	20	12	9	23	55	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	9	13	22	14	9	23	55	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	14	23	13	8	23	65	1	1	1	1	1	1	1

1	88	91	91	91	91	90	69
0	4	1	1	1	1	2	23
CO attn	0.96	0.99	0.99	0.99	0.99	0.98	0.75

Avg Attn	0.98	Avg Attn	0.75
Attn Level	3	Attn Level	2

Mapping of CO with PO and PSO of Engg. Drawing & Graphics (Paper code: ME192)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	-	-	-	-	-	-	-	-	-	-	-
CO2	1	-	-	-	-	1	-	1	-	-	1	-
CO3	1	-	-	-	-	1	-	1	1	-	2	-
CO4	1	-	-	-	-	-	2	-	2	1	1	-
CO5	1	-	-	-	-	-	2	-	2	1	1	1
CO6	1	-	-	-	-	-	2	-	2	1	2	1
AVERAGE	1.00	0	0	0	0	1.00	2.00	1.00	1.75	1.00	1.40	1.00

Average = Sum/ Number of entries

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	-	1
CO2	1	-	1
CO3	1	-	1
CO4	-	1	1
CO5	1	-	1
CO6	-	1	1
AVERAGE	1.00	1.00	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

Sl No	Class Roll	Univ Roll	Name	ALL PCA's: PCA1 CO1	PCA1 CO2	PCA1 CO3	PCA2 CO4	PCA2 CO5	PCA2 CO6	Univ. Exam	Course Outcome Attainment with target in %: CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Course Outcomes				CO1	CO2	CO3	CO4	CO5	CO6								
Marks Distribution				15	15	10	15	15	10	60							
Target Level				80%						80%	80%						
1	IT2017/013	11700216006	YASH AGARWAL	15	14	9	14	15	9	50	1	1	1	1	1	1	1
2	IT2017/121	11700216007	VIVEK KUMAR	15	14	9	14	15	9	55	1	1	1	1	1	1	1
3	IT2017/089	11700216008	VISHWADHWAJ KUMAR	12	12	8	12	12	8	45	1	1	1	1	1	1	0
4	IT2017/015	11700216009	UZZWALPREET KAUR	15	14	9	14	15	9	55	1	1	1	1	1	1	1
5	IT2017/062	11700216010	TURNISHA SARKAR	15	14	9	14	15	9	50	1	1	1	1	1	1	1
6	IT2017/054	11700216011	TIASHA SARKAR	15	14	9	14	15	9	50	1	1	1	1	1	1	1
7	IT2017/053	11700216012	TAMOGHNA CHOWDHURY	15	14	9	14	15	9	50	1	1	1	1	1	1	1
8	IT2017/039	11700216013	SWETA BOSE	15	14	9	14	15	9	50	1	1	1	1	1	1	1
9	IT2017/067	11700216014	SWARNALI ROY	15	14	9	14	15	9	50	1	1	1	1	1	1	1
10	IT2017/081	11700216015	SUVRAJIT MUKHERJEE	15	14	9	14	15	9	50	1	1	1	1	1	1	1
11	IT2017/117	11700216016	SUSTHIT BISWAS	15	14	9	14	15	9	55	1	1	1	1	1	1	1
12	IT2017/052	11700216017	SUPRIYANTA PODDAR	15	14	9	14	15	9	50	1	1	1	1	1	1	1
13	IT2017/021	11700216018	SUDHANSHU KUMAR	15	14	9	14	15	9	50	1	1	1	1	1	1	1
14	IT2017/038	11700216019	SUBHOJEET BHADURI	15	14	9	14	15	9	50	1	1	1	1	1	1	1
15	IT2017/011	11700216020	SUBHAJIT MAJUMDAR	15	14	9	14	15	9	50	1	1	1	1	1	1	1
16	IT2017/094	11700216021	SREJITA SAHA	15	14	9	14	15	9	50	1	1	1	1	1	1	1
17	IT2017/120	11700216022	SOMA ROY	15	14	9	14	15	9	50	1	1	1	1	1	1	1
18	IT2017/012	11700216023	SK MD FARUK	12	12	8	12	12	8	45	1	1	1	1	1	1	0
19	IT2017/075	11700216024	SIDDHANT SAHANI	12	12	8	12	12	8	45	1	1	1	1	1	1	0
20	IT2017/064	11700216025	SHUBHA GAYEN	15	14	9	14	15	9	50	1	1	1	1	1	1	1

21	IT2017/069	11700216026	SHREYASH CHAMARIA	15	14	9	14	15	9	50	1	1	1	1	1	1	1
22	IT2017/111	11700216027	SHREYA VATS	15	14	9	14	15	9	50	1	1	1	1	1	1	1
23	IT2017/008	11700216028	SHIWAM KUMAR SUMAN	12	12	8	12	12	8	45	1	1	1	1	1	1	0
24	IT2017/063	11700216029	SHASHANK ROY	15	14	9	14	15	9	50	1	1	1	1	1	1	1
25	IT2017/109	11700216030	SHAHZEB AKHTAR	13	12	8	11	12	8	45	1	1	1	0	1	1	0
26	IT2017/045	11700216031	SAYON MOULIK	15	14	9	14	15	9	50	1	1	1	1	1	1	1
27	IT2017/079	11700216032	SAYANTAN CHATTERJEE	15	14	9	14	15	9	50	1	1	1	1	1	1	1
28	IT2017/044	11700216033	SANANDA PODDER	15	14	9	14	15	9	50	1	1	1	1	1	1	1
29	IT2017/083	11700216034	SAMRAT HALDER	15	14	9	14	15	9	50	1	1	1	1	1	1	1
30	IT2017/031	11700216035	RONAK BARMAN	15	14	9	14	15	9	50	1	1	1	1	1	1	1
31	IT2017/023	11700216036	ROHIT SINGH	13	12	12	11	12	8	40	1	1	1	0	1	1	0
32	IT2017/056	11700216037	RITWIKA BANERJEE	15	14	9	14	15	9	50	1	1	1	1	1	1	1
33	IT2017/050	11700216038	RITTIKA PAUL	15	14	9	14	15	9	50	1	1	1	1	1	1	1
34	IT2017/035	11700216039	RIBHU GHOSH	15	14	9	14	15	9	50	1	1	1	1	1	1	1
35	IT2017/087	11700216040	RAVI SHANKAR	12	12	8	12	12	8	45	1	1	1	1	1	1	0
36	IT2017/099	11700216041	RAJARSHI DAS	15	14	9	14	15	9	50	1	1	1	1	1	1	1
37	IT2017/097	11700216042	RAHUL KUMAR THAKUR	15	14	9	14	15	9	50	1	1	1	1	1	1	1
38	IT2017/072	11700216043	RAHUL KARMAKAR	15	14	9	14	15	9	55	1	1	1	1	1	1	1
39	IT2017/009	11700216044	RAHUL BARMAN	12	12	7	12	12	8	45	1	1	0	1	1	1	0
40	IT2017/098	11700216045	PUSPITA DAS	12	13	8	13	12	8	50	1	1	1	1	1	1	1
41	IT2017/032	11700216046	PRIYANKA DAS	15	15	9	15	14	9	50	1	1	1	1	1	1	1
42	IT2017/078	11700216047	PRITHWIRAJ MUKHERJEE	15	14	10	15	14	10	50	1	1	1	1	1	1	1
43	IT2017/065	11700216048	PRITAM MANNA	13	12	12	11	12	8	40	1	1	1	0	1	1	0
44	IT2017/105	11700216049	PRAVEEN KUMAR SHARMA	12	10	8	12	12	8	45	1	0	1	1	1	1	0
45	IT2017/017	11700216050	PRASENJIT DEY	12	13	8	13	12	8	50	1	1	1	1	1	1	1
46	IT2017/058	11700216051	PRAKASH KUMAR SINGH	12	13	8	13	12	8	50	1	1	1	1	1	1	1
47	IT2017/010	11700216052	PIYUSH KUMAR	12	13	8	13	12	8	50	1	1	1	1	1	1	1
48	IT2017/030	11700216053	PARTHAJIT MUKHERJEE	12	13	8	13	12	8	50	1	1	1	1	1	1	1
49	IT2017/002	11700216054	PAROMITA PODDAR	12	13	8	13	12	8	50	1	1	1	1	1	1	1
50	IT2017/110	11700216055	NUSHRAT HUSSAIN	10	12	8	10	12	8	38	0	1	1	0	1	1	0
51	IT2017/022	11700216056	MD MUZAMMIL	12	13	8	13	12	8	50	1	1	1	1	1	1	1
52	IT2017/123	11700216058	LAKHAN KUMAR	12	12	8	13	12	8	46	1	1	1	1	1	1	0
53	IT2017/043	11700216059	KUNAL THAKUR	13	13	8	13	12	8	45	1	1	1	1	1	1	0
54	IT2017/070	11700216060	KUMARI RIYA	14	15	10	15	14	10	57	1	1	1	1	1	1	1
55	IT2017/107	11700216061	KUMAR ANUBHAV	12	10	8	12	12	8	45	1	0	1	1	1	1	0
56	IT2017/016	11700216062	KUMAR ADITYA	12	10	8	12	12	8	45	1	0	1	1	1	1	0
57	IT2017/046	11700216063	KAVERI SAHA	12	10	8	12	12	8	45	1	0	1	1	1	1	0
58	IT2017/114	11700216064	INDRANI MAITY	12	12	8	12	13	8	45	1	1	1	1	1	1	0
59	IT2017/049	11700216065	HOZAIFA WAHID	15	14	9	14	15	9	55	1	1	1	1	1	1	1
60	IT2017/118	11700216066	HIMANSHU SHARAN	15	14	9	14	15	9	55	1	1	1	1	1	1	1
61	IT2017/048	11700216067	HIMANSHU JAISWAL	15	14	9	15	15	9	57	1	1	1	1	1	1	1
62	IT2017/113	11700216068	HEMANT KUMAR AGARWAL	12	10	8	12	12	8	45	1	0	1	1	1	1	0
63	IT2017/112	11700216069	HARSHIT ANAND GUPTA	15	14	9	14	15	9	55	1	1	1	1	1	1	1
64	IT2017/071	11700216070	ESHA GUPTA	15	14	9	14	15	9	55	1	1	1	1	1	1	1
65	IT2017/033	11700216071	DIPANJAN RAY	15	14	9	14	15	9	55	1	1	1	1	1	1	1
66	IT2017/061	11700216072	DEVESH DUGAR	13	12	8	12	13	9	46	1	1	1	1	1	1	0
67	IT2017/057	11700216073	DAMINI KUMARI	12	12	8	12	13	9	47	1	1	1	1	1	1	0
68	IT2017/027	11700216075	BITTU KUMAR	13	12	12	11	12	8	40	1	1	1	0	1	1	0
69	IT2017/047	11700216076	BIKRAM MITRA	12	13	8	13	13	8	49	1	1	1	1	1	1	1
70	IT2017/095	11700216077	BIDISHA MONDAL	15	14	9	14	15	9	55	1	1	1	1	1	1	1
71	IT2017/007	11700216078	AYUSH PARWAL	14	15	9	14	15	10	56	1	1	1	1	1	1	1
72	IT2017/108	11700216079	AVINASH KUMAR SINGH	13	11	8	11	12	8	45	1	0	1	0	1	1	0
73	IT2017/119	11700216080	AVIK DATTA	15	15	9	14	15	9	55	1	1	1	1	1	1	1
74	IT2017/077	11700216081	AVIJIT DAS	12	12	7	12	12	8	45	1	1	0	1	1	1	0
75	IT2017/076	11700216082	ATANU GHARA	12	12	7	12	12	8	45	1	1	0	1	1	1	0
76	IT2017/074	11700216083	ASHISH JAISWAL	12	12	8	12	12	8	45	1	1	1	1	1	1	0
77	IT2017/084	11700216084	ARUNAVA CHAUDHURI	15	14	9	14	15	9	55	1	1	1	1	0	1	1
78	IT2017/029	11700216085	ARPITA ROY CHOWDHURY	14	15	10	13	14	9	50	1	1	1	1	1	1	1
79	IT2017/034	11700216086	ARNAB DAS	15	14	9	14	15	9	50	1	1	1	1	1	1	1
80	IT2017/082	11700216087	ARIHANT RAJ	12	13	8	13	12	9	50	1	1	1	1	1	1	1
81	IT2017/037	11700216088	ARGHYA MRIDHA	14	15	10	15	14	9	40	1	1	1	1	1	1	0
82	IT2017/004	11700216089	ARGHADEEP MONDAL	12	12	9	13	12	9	50	1	1	1	1	1	1	1
83	IT2017/018	11700216091	ANWESHA SAHA	12	13	8	12	12	8	50	1	1	1	1	1	1	1
84	IT2017/036	11700216092	ANUMITA SAHA	14	15	9	14	15	9	50	1	1	1	1	1	1	1
85	IT2017/073	11700216093	ANSHUMAN BAKSHI	12	13	9	13	12	8	47	1	1	1	1	1	1	0
86	IT2017/104	11700216094	ANKITA SAHA	12	13	8	12	12	9	48	1	1	1	1	1	1	1
87	IT2017/055	11700216095	ANKITA DATTA	15	14	9	14	15	9	55	1	1	1	1	1	1	1
88	IT2017/122	11700216096	AMIT KUMAR	12	12	9	14	13	8	50	1	1	1	1	1	1	1
89	IT2017/024	11700216097	AMAN KUMAR	12	12	8	12	12	8	45	1	1	1	1	1	1	0
90	IT2017/066	11700216098	AMAN JAISWAL	12	12	8	12	12	8	45	1	1	1	1	1	1	0
91	IT2017/091	11700216099	AGNIBHO HOM CHOWDHURY	12	12	8	12	13	9	47	1	1	1	1	1	1	0
92	IT2017/090	11700216100	ABISHEK KUMAR MONDAL	15	14	9	14	15	9	55	1	1	1	1	1	1	1

1	91	86	89	86	91	92	62
0	1	6	3	6	1	0	30
CO attn	0.99	0.93	0.97	0.93	0.99	1.00	0.67

Avg Attn	0.97	Avg Attn	0.67
Attn Level	3	Attn Level	1

Overall Course Outcome Attainment													
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)													
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	1.00	0	0	0	0	1.00	2.00	1.00	1.75	1.00	1.40	1.00	
Overall (Direct) CO attainment level	0	0	0	0	0	0	0	0	0	0	0	0	
Attainment of PO for this course	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	1.00	1	1	
Overall (Direct) CO attainment level	0	0	0	
Attainment of PSO for this course	0.00	0.00	0.00	**0.00**

Mapping of CO with PO and PSO of Langugage Laboratory (Paper code: HU181)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	-	-	-	-	-	2	2	-	2	3	-	2
CO2	-	-	-	-	-	2	2	-	2	3	-	2
CO3	-	-	-	-	-	2	2	-	2	3	-	2
CO4	-	-	-	-	-	2	2	-	2	3	-	2
CO5	-	-	-	-	-	2	2	-	2	3	-	2
CO6	-	-	-	-	-	2	2	-	2	3	-	2
AVERAGE	0	0	0	0	0	2.00	2.00	0	2.00	3.00	0	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	1	1
CO2	1	1	1
CO3	1	1	1
CO4	1	1	1
CO5	1	1	1
CO6	1	1	1
AVERAGE	1.00	1.00	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL PCA's						Univ. Exam	Course Outcome Attainment with target in %						
				PCA1			PCA2										
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl	Class Roll	Univ Roll	Name	Target Level	80%						60%	80%					
1	IT2016/034	11700216006	YASH AGARWAL		15	14	9	14	15	9	50	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		13	13	8	12	13	8	35	1	1	1	1	1	0
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		12	13	9	12	12	8	35	1	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		14	15	9	15	14	9	56	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		14	15	10	14	12	9	57	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		11	14	9	14	14	8	50	0	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		13	13	8	12	13	8	46	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		11	15	10	14	12	9	55	0	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		12	12	8	13	12	8	35	1	1	1	1	1	0
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		12	12	8	12	12	7	35	1	1	1	1	1	0
11	IT2016/013	11700216016	SUSTHIT BISWAS		12	13	9	12	13	8	35	1	1	1	1	1	0
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		11	14	9	12	14	9	48	0	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		12	13	8	12	13	8	35	1	1	1	1	1	0
14	IT2016/094	11700216019	SUBHOJEET BHADURI		11	14	10	14	11	9	57	0	1	1	1	0	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		14	15	10	12	11	9	57	1	1	1	1	0	1
16	IT2016/057	11700216021	SREJITA SAHA		11	15	9	11	12	9	55	0	1	1	0	1	1
17	IT2016/038	11700216022	SOMA ROY		11	14	9	15	13	8	56	0	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		12	13	8	12	12	8	35	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		14	15	9	14	15	9	57	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		14	15	8	15	14	8	51	1	1	1	1	1	1

21	IT2016/065	11700216026	SHREYASH CHAMARIA	13	12	8	12	13	8	46	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	14	15	9	15	14	9	52	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	11	14	9	14	15	9	55	0	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	14	15	10	15	14	9	57	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	15	14	10	14	15	9	55	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	15	15	9	15	14	10	56	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	12	12	8	13	12	8	40	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	12	13	8	12	13	8	35	1	1	1	1	1	1	0
29	IT2016/030	11700216034	SAMRAT HALDER	13	11	8	12	12	7	35	1	0	1	1	1	0	0
30	IT2016/002	11700216035	RONAK BARMAN	14	15	9	15	14	9	55	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	14	13	8	14	15	9	35	1	1	1	1	1	1	0
32	IT2016/048	11700216037	RITWIKA BANERJEE	11	14	9	14	14	9	53	0	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	15	14	9	15	14	9	52	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	15	15	10	15	15	10	58	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	15	14	8	14	15	10	52	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	13	12	9	12	12	8	35	1	1	1	1	1	1	0
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	13	15	8	15	14	9	57	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	14	15	9	14	15	9	56	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	12	12	9	12	12	8	46	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	12	11	8	11	12	6	35	1	0	1	0	1	0	0
41	IT2016/092	11700216046	PRIYANKA DAS	15	15	9	15	14	9	55	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	15	14	10	15	14	10	57	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	15	15	9	14	14	9	55	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	15	14	9	15	14	9	53	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	12	11	8	12	12	8	35	1	0	1	1	1	1	0
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	14	15	9	14	14	9	55	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	12	14	9	13	12	9	46	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	12	13	8	11	12	8	40	1	1	1	0	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	12	13	8	12	12	9	47	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	14	12	9	14	14	10	57	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	12	13	8	12	12	8	35	1	1	1	1	1	1	0
52	IT2016/066	11700216058	LAKHAN KUMAR	12	12	8	13	12	8	46	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	13	13	8	13	12	8	35	1	1	1	1	1	1	0
54	IT2016/045	11700216060	KUMARI RIYA	14	15	10	15	14	10	57	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	14	15	9	14	14	9	56	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	13	12	8	11	12	9	35	1	1	1	0	1	1	0
57	IT2016/073	11700216063	KAVERI SAHA	15	14	9	15	14	10	51	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	12	12	8	12	13	8	35	1	1	1	1	1	1	0
59	IT2016/007	11700216065	HOZAIFA WAHID	13	12	8	13	11	7	35	1	1	1	1	0	0	0
60	IT2016/079	11700216066	HIMANSHU SHARAN	14	15	9	14	15	9	52	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	15	14	9	15	15	9	57	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	14	15	9	15	14	9	51	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	14	15	10	14	15	9	55	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	12	12	7	11	10	7	35	1	1	0	0	0	0	0
65	IT2016/089	11700216071	DIPANJAN RAY	12	12	7	12	10	6	28	1	1	0	1	0	0	0
66	IT2016/043	11700216072	DEVESH DUGAR	11	12	8	12	11	7	46	0	1	1	1	0	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	12	12	8	12	13	9	47	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	15	14	9	12	14	9	50	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	12	13	8	13	13	8	49	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	14	12	9	14	15	8	51	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	14	12	9	14	15	10	56	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	14	12	9	14	14	9	55	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	15	12	9	14	15	9	55	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	14	12	9	14	14	10	56	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	14	12	9	14	14	9	55	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	13	10	8	13	12	7	35	1	0	1	1	1	1	0
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	15	14	10	15	14	9	57	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	14	12	10	13	14	9	57	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	15	14	9	14	15	9	56	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	12	13	8	13	12	9	35	1	1	1	1	1	1	0
81	IT2016/001	11700216088	ARGHYA MRIDHA	14	12	10	15	14	9	52	1	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	12	12	9	13	12	9	46	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	12	12	8	12	10	7	35	1	1	1	1	0	0	0
84	IT2016/012	11700216092	ANUMITA SAHA	14	15	9	14	15	9	53	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	12	13	9	13	12	8	47	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	12	13	8	12	12	9	35	1	1	1	1	1	1	0
87	IT2016/068	11700216095	ANKITA DATTA	12	12	8	13	13	8	35	1	1	1	1	1	1	0
88	IT2016/074	11700216096	AMIT KUMAR	12	12	9	14	13	8	35	1	1	1	1	1	1	0
89	IT2016/051	11700216097	AMAN KUMAR	15	13	9	15	13	9	35	1	1	1	1	1	1	0
90	IT2016/044	11700216098	AMAN JAISWAL	14	15	8	13	12	8	54	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	12	12	8	12	13	9	47	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	13	12	9	13	13	8	47	1	1	1	1	1	1	1

1	83	88	90	87	85	84	65
0	9	4	2	5	7	8	27
CO attn	0.90	0.96	0.98	0.95	0.92	0.91	**0.71**

Avg Attn	**0.94**
Attn Level	**3**

Avg Attn	**0.71**
Attn Level	**2**

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	**2.5**

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	0	0	0	0	0	2.00	2.00	0	2.00	3.00	0	2.00	
Overall (direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Attainment of PO for this course	0.00	0.00	0.00	0.00	0.00	1.67	1.67	0.00	1.67	2.50	0.00	1.67	**0.76**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	1.00	1	1	
Overall (direct) CO attainment level	2.5	2.5	2.5	
Attainment of PSO for this course	0.83	0.83	0.83	**0.83**

Mapping of CO with PO and PSO of Physics-I (Paper code: PH191)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	1	1	-	-	-	-	-	-	-	-
CO2	2	3	1	1	-	-	-	-	-	-	-	-
CO3	2	2	3	1	-	-	-	-	-	-	-	-
CO4	2	3	1	2	-	-	-	-	-	-	-	-
CO5	2	2	3	1	-	-	-	-	-	-	-	-
CO6	2	1	3	2	-	-	-	-	-	-	-	-
AVERAGE	2.00	2.33	2.00	1.33	0	0	0	0	0	0	0	0

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	2	-	-
CO2	2	-	-
CO3	2	-	-
CO4	2	-	-
CO5	2	-	-
CO6	2	-	-
AVERAGE	2.00	0	0

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's													
					PCA1			PCA2			Univ. Exam							
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						70%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		15	14	9	14	15	9	56	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		13	13	8	12	13	8	45	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		12	10	7	9	11	6	49	1	0	0	0	0	0	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		14	15	9	15	14	9	45	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		5	8	4	7	9	5	37	0	0	0	0	0	0	0
6	IT2016/037	11700216011	TIASHA SARKAR		15	14	9	14	14	8	45	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	11	8	11	10	8	49	0	0	1	0	0	1	1
8	IT2016/081	11700216013	SWETA BOSE		15	15	10	14	15	9	56	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		12	12	8	13	12	8	49	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		12	12	8	12	12	7	56	1	1	1	1	1	0	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		12	13	9	12	13	8	49	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		15	14	9	15	14	9	45	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		9	11	8	11	7	8	45	0	0	1	0	0	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		15	14	10	14	15	9	45	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		14	15	10	15	14	9	49	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		15	15	9	14	15	9	49	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		15	14	9	15	14	8	49	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		5	8	8	11	10	7	37	0	0	1	0	0	0	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		14	15	9	14	15	9	49	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		14	15	8	15	14	8	49	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		13	12	8	12	13	8	49	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		14	15	9	15	14	9	45	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		5	8	9	11	7	6	27	0	0	1	0	0	0	0
24	IT2016/021	11700216029	SHASHANK ROY		14	15	10	15	14	9	45	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		9	10	6	9	11	7	49	0	0	0	0	0	0	1
26	IT2016/046	11700216031	SAYON MOULIK		15	15	9	15	14	10	45	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		12	12	8	13	12	8	56	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		12	13	8	12	13	8	45	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		13	11	8	12	12	7	45	1	0	1	1	1	0	1
30	IT2016/002	11700216035	RONAK BARMAN		14	15	9	15	14	9	45	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		14	13	8	14	15	9	56	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		15	14	9	14	14	9	45	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		15	14	9	15	14	9	49	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		15	15	10	15	15	10	45	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		15	14	8	14	15	10	45	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		9	12	7	9	8	7	45	0	1	0	0	0	0	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		13	15	8	15	14	9	45	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		14	15	9	14	15	9	56	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		12	12	9	12	12	8	45	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		12	11	8	11	12	6	49	1	0	1	0	1	0	1
41	IT2016/092	11700216046	PRIYANKA DAS		15	15	9	15	14	9	49	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		15	14	10	15	14	10	45	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA		15	15	9	14	14	9	37	1	1	1	1	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		5	7	9	10	11	8	37	0	0	1	0	0	1	0
45	IT2016/070	11700216050	PRASENJIT DEY		12	11	8	12	12	8	56	1	0	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		14	15	9	14	14	9	49	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR		12	14	9	13	12	9	49	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		12	13	8	11	12	8	45	1	1	1	0	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR		12	13	8	12	12	9	49	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		7	3	8	10	11	5	15	0	0	1	0	0	0	0
51	IT2016/062	11700216056	MD MUZAMMIL		12	13	8	12	12	8	49	1	1	1	1	1	1	1
52	IT2016/056	11700216058	LAKHAN KUMAR		5	4	7	10	9	9	45	0	0	0	0	0	1	1
53	IT2016/008	11700216059	KUNAL THAKUR		12	12	8	13	12	8	45	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA		13	13	8	13	12	8	56	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV		14	15	10	15	14	10	45	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA		14	15	9	14	14	9	49	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA		13	12	8	11	12	9	49	1	1	1	0	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY		15	14	9	15	14	10	49	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID		12	12	8	12	13	8	56	1	1	1	1	1	1	1
60	IT2016/079	11700216056	HIMANSHU SHARAN		13	12	8	13	11	7	45	1	1	1	1	0	0	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL		14	15	9	14	15	9	45	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL		15	14	9	15	15	9	45	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA		14	15	9	15	14	9	45	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA		14	15	10	14	15	9	56	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY		12	12	7	11	10	7	49	1	1	0	0	0	0	1

66	IT2016/043	11700216072	DEVESH DUGAR	12	10	7	12	10	6	45	1	0	0	1	0	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	11	12	8	12	11	7	56	0	1	1	1	0	0	1
68	IT2016/015	11700216075	BITTU KUMAR	12	12	8	12	13	9	37	1	1	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	12	13	9	12	13	8	45	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	11	7	9	8	9	56	0	0	0	0	0	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	12	13	8	13	13	8	56	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	14	15	9	14	15	8	49	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	14	15	9	14	15	10	49	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	14	15	9	14	14	9	49	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	15	15	9	14	15	9	33	1	1	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	14	15	9	14	14	10	56	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	14	15	9	14	14	9	56	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	13	10	8	13	12	7	45	1	0	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	15	14	10	15	14	9	49	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	14	15	10	13	14	9	45	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	15	14	9	14	15	9	49	1	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	12	13	8	13	12	9	49	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	14	15	10	15	14	9	45	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	12	12	9	13	12	9	49	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	12	13	8	13	13	8	49	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	12	11	8	12	10	7	45	1	0	1	1	0	0	1
87	IT2016/068	11700216095	ANKITA DATTA	14	15	9	14	15	9	45	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	12	13	9	13	12	8	49	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	12	13	8	12	12	9	49	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	12	12	8	13	13	8	56	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	12	12	9	14	13	8	45	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	9	7	9	7	8	5	45	0	0	1	0	0	0	1

1	79	74	84	75	74	76	84
0	13	18	8	17	18	16	8
CO attn	0.86	0.80	0.91	0.82	0.80	0.83	0.91

Avg Attan	0.84
Attn Level	3

Avg Attan	0.91
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	3											
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	2.00	2.33	2.00	1.33	0	0	0	0	0	0	0	0
Overall (Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3
Attainment of PO for this course	2.00	2.33	2.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.64**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.00	0	0	
Overall (Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	2.00	0.00	0.00	**0.67**

Mapping of CO with PO of the Course Basic Electrical & Electronic Engineering- I (ES 191)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " - " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	3	1	-	-	-	2	2	-	2
CO2	3	3	3	3	1	-	-	-	1	1	-	1
CO3	3	3	3	2	2	-	-	-	1	2	-	1
CO4	3	3	3	3	1	-	-	-	1	2	-	1
CO5	3	3	2	3	1	-	-	-	2	2	-	1
CO6	3	3	3	2	2	-	-	-	1	2	-	1
AVERAGE	3.00	3.00	2.83	2.67	1.33	0	0	0	1.33	1.83	0	1.17
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	2	1	-
CO2	2	1	-
CO3	3	2	-
CO4	3	2	-
CO5	2	1	-
CO6	3	2	-
AVERAGE	2.50	1.50	0

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of students attaining course outcomes and attainment level

					ALL PCA's													
					PCA1			PCA2			Univ. Exam							
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		15	14	9	14	15	9	51	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		13	13	8	12	13	8	58	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		12	10	7	9	11	6	46	1	0	0	0	0	0	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		14	15	9	15	14	9	56	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		5	8	4	7	9	5	42	0	0	0	0	0	0	0
6	IT2016/037	11700216011	TIASHA SARKAR		15	14	9	14	14	8	54	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	11	8	11	10	8	54	0	0	1	0	0	1	1
8	IT2016/081	11700216013	SWETA BOSE		15	15	10	14	15	9	54	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		12	12	8	13	12	8	53	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		12	12	8	12	12	7	54	1	1	1	1	1	0	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		12	13	9	12	13	8	42	1	1	1	1	1	1	0
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		15	14	9	15	14	9	48	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		9	11	8	11	7	8	49	0	0	1	0	0	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		15	14	10	14	15	9	54	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		14	15	10	15	14	9	47	1	1	1	1	1	1	0
16	IT2016/057	11700216021	SREJITA SAHA		15	15	9	14	15	9	49	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		15	14	9	15	14	8	50	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		5	8	8	11	10	7	47	0	0	1	0	0	0	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		14	15	9	14	15	9	45	1	1	1	1	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN		14	15	8	15	14	8	45	1	1	1	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		13	12	8	12	13	8	56	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		14	15	9	15	14	9	47	1	1	1	1	1	1	0
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		5	8	9	11	7	6	46	0	0	1	0	0	0	0
24	IT2016/021	11700216029	SHASHANK ROY		14	15	10	15	14	9	51	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		9	10	6	9	11	7	44	0	0	0	0	0	0	0
26	IT2016/046	11700216031	SAYON MOULIK		15	15	9	15	14	10	53	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		12	12	8	13	12	8	48	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		12	13	8	12	13	8	49	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		13	11	8	12	12	7	46	1	0	1	1	1	0	0
30	IT2016/002	11700216035	RONAK BARMAN		14	15	9	15	14	9	43	1	1	1	1	1	1	0
31	IT2016/036	11700216036	ROHIT SINGH		14	13	8	14	15	9	54	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		15	14	9	14	14	9	51	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		15	14	9	15	14	9	48	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		15	15	10	15	15	10	53	1	1	1	1	1	1	1

35	IT2016/067	11700216040	RAVI SHANKAR	15	14	8	14	15	10	52	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	9	12	7	9	8	7	56	0	1	0	0	0	0	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	13	15	8	15	14	9	51	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	14	15	9	14	15	9	51	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	12	12	9	12	12	8	45	1	1	1	1	1	1	0
40	IT2016/077	11700216045	PUSPITA DAS	12	11	8	11	12	6	52	1	0	1	0	1	0	1
41	IT2016/092	11700216046	PRIYANKA DAS	15	15	9	15	14	9	52	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	15	14	10	15	14	10	48	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	15	15	9	14	14	9	50	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	5	7	9	10	11	8	46	0	0	1	0	0	1	0
45	IT2016/070	11700216050	PRASENJIT DEY	12	11	8	12	12	8	50	1	0	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	14	15	9	14	14	9	49	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	12	14	9	13	12	9	52	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	12	13	8	11	12	8	47	1	1	1	0	1	1	0
49	IT2016/085	11700216054	PAROMITA PODDAR	12	13	8	12	12	9	54	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	7	3	8	10	11	5	25	0	0	1	0	0	0	0
51	IT2016/062	11700216056	MD MUZAMMIL	12	13	8	12	12	8	50	1	1	1	1	1	1	1
52	IT2016/056	11700216058	LAKHAN KUMAR	5	4	7	10	9	9	56	0	0	0	0	0	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	12	12	8	13	12	8	50	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	13	13	8	13	12	8	47	1	1	1	1	1	1	0
55	IT2016/023	11700216061	KUMAR ANUBHAV	14	15	10	15	14	10	51	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	14	15	9	14	14	9	52	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	13	12	8	11	12	9	46	1	1	1	0	1	1	0
58	IT2016/019	11700216064	INDRANI MAITY	15	14	9	15	14	10	49	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	12	12	8	12	13	8	55	1	1	1	1	1	1	1
60	IT2016/079	11700216056	HIMANSHU SHARAN	13	12	8	13	11	7	52	1	1	1	1	0	0	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	14	15	9	14	15	9	54	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	15	14	9	15	15	9	51	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	14	15	9	15	14	9	51	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	14	15	10	14	15	9	56	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	12	12	7	11	10	7	54	1	1	0	0	0	0	1
66	IT2016/043	11700216072	DEVESH DUGAR	12	10	7	12	10	6	52	1	0	0	1	0	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	11	12	8	12	11	7	50	0	1	1	1	0	0	1
68	IT2016/015	11700216075	BITTU KUMAR	12	12	8	12	13	9	53	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	12	13	9	12	13	8	45	1	1	1	1	1	1	0
70	IT2016/009	11700216077	BIDISHA MONDAL	10	11	7	9	8	9	55	0	0	0	0	0	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	12	13	8	13	13	8	51	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	14	15	9	14	15	8	50	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	14	15	9	14	15	10	58	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	14	15	9	14	14	9	45	1	1	1	1	1	1	0
75	IT2016/032	11700216082	ATANU GHARA	15	15	9	14	15	9	36	1	1	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	14	15	9	14	14	10	49	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	14	15	9	14	14	9	52	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	13	10	8	13	12	7	48	1	0	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	15	14	10	15	14	9	50	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	14	15	10	13	14	9	47	1	1	1	1	1	1	0
81	IT2016/001	11700216088	ARGHYA MRIDHA	15	14	9	14	15	9	40	1	1	1	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	12	13	8	13	12	9	50	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	14	15	10	15	14	9	52	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	12	12	9	13	12	9	49	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	12	13	8	13	13	8	56	1	1	1	1	1	1	1
86	016/084	11700216094	ANKITA SAHA	12	11	8	12	10	7	56	1	0	1	1	0	0	1
87	IT2016/068	11700216095	ANKITA DATTA	14	15	9	14	15	9	56	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	12	13	9	13	12	8	48	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	12	13	8	12	12	9	47	1	1	1	1	1	1	0
90	IT2016/044	11700216098	AMAN JAISWAL	12	12	8	13	13	8	48	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	12	12	9	14	13	8	50	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	9	7	9	7	8	5	47	0	0	1	0	0	0	0

1	79	74	84	75	74	76	67
0	13	18	8	17	18	16	25
CO attn	0.86	0.80	0.91	0.82	0.80	0.83	**0.73**

Avg Attn	**0.84**
Attn Level	**3**

Avg Attan	**0.73**
Attn Level	**2**

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level			2.4									
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	
Avg values from table 1	3.00	3.00	2.83	2.67	1.33	0	0	0	1.33	1.83	0	
Overall (Direct) CO attainment level	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
Attainment of PO for this course	2.40	2.40	2.27	2.13	1.07	0.00	0.00	0.00	1.07	1.47	0.00	**1.16**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.50	1.50	0	
Overall (Direct) CO attainment level	2.4	2.4	2.4	
Attainment of PSO for this course	2.00	1.20	0.00	**1.07**

Attainment Details of Semester II

Mapping of CO with PO and PSO of Chemistry-I (Paper code: CH201)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	1	-	-	-	-	-	-	-	-
CO2	3	2	1	-	-	-	-	-	-	-	-	-
CO3	3	2	1	-	-	-	-	-	-	-	-	-
CO4	3	2	1	-	-	-	-	-	-	-	-	-
CO5	3	1	1	1	-	-	-	-	-	-	-	-
CO6	3	1	1	1	-	-	-	-	-	-	-	-
AVERAGE	3.00	1.67	1.00	1.00	0	0	0	0	0	0	0	0

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	-	-
CO2	1	-	-
CO3	1	-	-
CO4	1	-	-
CO5	1	-	-
CO6	1	-	-
AVERAGE	1.00	0	0

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	70%						50%	70%						
1	IT2016/034	11700216006	YASH AGARWAL		10	10	22	13	9	22	65	1	0	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		10	10	22	10	9	22	75	1	0	1	0	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		5	10	19	10	10	22	55	0	0	1	0	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	15	20	15	10	19	75	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		5	10	22	10	8	21	55	0	0	1	0	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		6	10	24	13	10	24	55	0	0	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		10	10	22	10	9	21	55	1	0	1	0	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		10	12	21	12	10	22	65	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		6	10	22	10	10	22	55	0	0	1	0	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		8	10	21	9	10	22	75	1	0	1	0	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	10	22	10	10	22	65	1	0	1	0	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		6	10	21	12	10	22	55	0	0	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		10	10	21	10	9	22	55	1	0	1	0	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		10	14	21	10	9	22	75	1	1	1	0	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		9	9	22	10	7	22	55	1	0	1	0	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		5	10	21	9	10	22	55	0	0	1	0	1	1	1
17	IT2016/038	11700216022	SOMA ROY		6	10	22	8	10	21	55	0	0	1	0	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		8	10	22	10	10	21	45	1	0	1	0	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		5	10	22	8	10	22	35	0	0	1	0	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN		5	10	22	10	10	22	45	0	0	1	0	1	1	0

21	IT2016/065	11700216026	SHREYASH CHAMARIA	7	10	22	10	10	21	75	1	0	1	0	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	10	14	22	7	10	21	65	1	1	1	0	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	5	10	23	12	10	23	55	0	0	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	6	10	22	10	10	22	55	0	0	1	0	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	7	11	22	10	8	23	55	1	1	1	0	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	10	15	23	10	10	23	75	1	1	1	0	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	5	10	21	10	10	22	55	0	0	1	0	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	10	12	22	10	10	22	65	1	1	1	0	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	6	11	22	10	10	22	45	0	1	1	0	1	1	0
30	IT2016/002	11700216035	RONAK BARMAN	10	11	21	10	10	22	45	1	1	1	0	1	1	0
31	IT2016/036	11700216036	ROHIT SINGH	10	10	21	10	8	22	55	1	0	1	0	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	10	14	21	10	9	22	45	1	1	1	0	1	1	0
33	IT2016/083	11700216038	RITTIKA PAUL	10	10	21	10	9	23	45	1	0	1	0	1	1	0
34	IT2016/004	11700216039	RIBHU GHOSH	10	10	22	8	10	23	65	1	0	1	0	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	10	9	22	10	10	22	55	1	0	1	0	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	9	10	22	9	10	23	65	1	0	1	0	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	10	22	11	10	22	65	1	0	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	8	15	20	10	7	16	75	1	1	1	0	1	0	1
39	IT2016/011	11700216044	RAHUL BARMAN	6	10	22	10	8	23	45	0	0	1	0	1	1	0
40	IT2016/077	11700216045	PUSPITA DAS	10	10	23	10	9	23	65	1	0	1	0	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	10	14	22	10	8	21	65	1	1	1	0	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	7	10	22	10	10	22	35	1	0	1	0	1	1	0
43	IT2016/093	11700216048	PRITAM MANNA	6	10	21	10	8	22	45	0	0	1	0	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	10	10	23	10	10	22	65	1	0	1	0	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	7	10	23	13	10	23	55	1	0	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	9	10	22	10	9	23	65	1	0	1	0	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	7	10	22	10	8	22	65	1	0	1	0	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	10	15	24	12	10	24	65	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	15	22	10	10	22	65	1	1	1	0	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	12	23	12	10	24	55	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	4	10	22	10	9	23	45	0	0	1	0	1	1	0
52	IT2016/066	11700216058	LAKHAN KUMAR	8	12	24	13	10	24	65	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	8	12	23	10	10	22	55	1	1	1	0	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	10	10	17	8	7	18	75	1	0	0	0	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	22	10	9	21	65	1	1	1	0	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	10	13	22	10	10	21	65	1	1	1	0	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	10	14	21	10	9	23	55	1	1	1	0	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	5	10	22	10	8	23	55	0	0	1	0	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	6	15	24	12	10	24	75	0	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	6	10	22	10	10	22	75	0	0	1	0	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	6	10	22	10	10	21	45	0	0	1	0	1	1	0
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	6	10	22	10	9	21	35	0	0	1	0	1	1	0
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	10	15	21	10	9	22	75	1	1	1	0	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	10	14	22	10	6	22	75	1	1	1	0	0	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	6	15	23	10	9	23	65	0	1	1	0	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	5	10	23	10	10	22	55	0	0	1	0	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	10	23	13	10	23	65	1	0	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	6	15	16	8	8	17	45	0	1	0	0	1	0	0
69	IT2016/040	11700216076	BIKRAM MITRA	6	15	22	10	9	22	55	0	1	1	0	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	15	15	9	6	16	75	1	1	0	0	0	0	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	15	23	12	10	24	65	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	6	10	21	13	10	22	65	0	0	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	10	10	21	10	9	23	55	1	0	1	0	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	6	10	22	10	6	23	55	0	0	1	0	0	1	1
75	IT2016/032	11700216082	ATANU GHARA	6	10	21	10	9	22	45	0	0	1	0	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	10	13	23	10	10	24	65	1	1	1	0	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	15	21	13	10	22	75	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	10	15	25	14	10	25	65	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	6	10	23	10	10	24	55	0	0	1	0	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	10	13	21	10	6	22	65	1	1	1	0	0	1	1

81	IT2016/001	11700216088	ARGHYA MRIDHA	5	10	21	10	9	22	35	0	0	1	0	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	5	10	22	10	10	23	35	0	0	1	0	1	1	0
83	IT2016/056	11700216090	APURBA SAHA	6	10	17	10	8	23	45	0	0	0	0	1	1	0
84	IT2016/091	11700216091	ANWESHA SAHA	6	15	22	10	6	21	65	0	1	1	0	0	1	1
85	IT2016/012	11700216092	ANUMITA SAHA	10	13	22	10	9	21	55	1	1	1	0	1	1	1
86	IT2016/072	11700216093	ANSHUMAN BAKSHI	10	14	22	10	10	22	65	1	1	1	0	1	1	1
87	IT2016/084	11700216094	ANKITA SAHA	10	14	22	10	9	21	75	1	1	1	0	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	10	15	22	10	10	21	65	1	1	1	0	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	10	22	10	10	23	55	1	0	1	0	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	9	10	21	10	9	22	65	1	0	1	0	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	5	10	22	10	10	23	55	0	0	1	0	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	6	10	21	10	9	22	55	0	0	1	0	1	1	1

1	57	37	88	17	87	89	74
0	35	55	4	75	5	3	18
CO att	0.62	0.40	0.96	0.18	0.95	0.97	0.80

Avg Attn	0.679
Attn Level	1

Avg Attn	0.80
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	2

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	1.67	1.00	1.00	0	0	0	0	0	0	0	0	
Overall(Direct) CO attainment level	2	2	2	2	2	2	2	2	2	2	2	2	
Attainment of PO for this course	2.00	1.11	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	1.00	0	0	
Overall(Direct) CO attainment level	2	2.00	2.00	
Attainment of PSO for this course	0.67	0.00	0.00	0.22

Mapping of CO with PO and PSO of Basic Computation & Principles of computer Programming (Paper code: CS-201)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	-	2	-	2	3	-	1	1
CO2	3	1	1	1	3	-	-	2	3	-	2	-
CO3	3	2	3	1	-	-	-	2	3	3	1	-
CO4	3	2	3	2	-	2	-	3	3	-	1	2
CO5	3	1	1	1	-	-	-	2	3	-	2	-
CO6	3	2	3	3	1	2	2	3	3	-	2	2
AVERAGE	3.00	1.50	2.00	1.50	2.00	2.00	2.00	2.33	3.00	3.00	1.50	1.67

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	3
CO2	3	2	2
CO3	3	2	2
CO4	3	2	2
CO5	3	2	2
CO6	3	2	2
AVERAGE	3.00	2.17	2.17

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	70%						50%	70%						
1	IT2016/034	11700216006	YASH AGARWAL		7	13	21	12	8	20	75	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	13	20	11	8	20	75	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		7	10	20	13	7	20	55	1	0	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	12	23	13	9	24	75	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	10	22	12	9	21	55	1	0	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		7	13	21	13	9	22	75	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	13	21	13	7	22	75	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		9	14	23	15	8	20	65	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		10	13	24	14	9	23	65	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	12	21	12	10	24	75	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	13	23	14	9	24	65	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	14	23	13	10	23	75	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		6	14	20	12	8	20	65	0	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		7	13	25	12	8	20	75	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	13	24	14	9	23	55	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	14	23	11	10	24	45	1	1	1	1	1	1	0
17	IT2016/038	11700216022	SOMA ROY		10	13	24	15	9	23	55	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		5	13	20	11	8	21	45	0	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		7	5	10	10	9	8	25	1	0	0	0	1	0	0
20	IT2016/031	11700216025	SHUBHA GAYEN		9	13	22	14	8	23	45	1	1	1	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	12	20	13	6	21	75	1	1	1	1	0	1	1
22	IT2016/049	11700216027	SHREYA VATS		9	15	23	15	9	24	85	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		3	14	17	13	9	20	45	0	1	0	1	1	1	0
24	IT2016/021	11700216029	SHASHANK ROY		10	14	23	14	10	24	75	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		7	10	15	8	8	18	45	1	0	0	0	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK		10	13	23	13	8	23	75	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		9	15	21	13	6	24	85	1	1	1	1	0	1	1
28	IT2016/029	11700216033	SANANDA PODDER		7	13	22	14	9	22	75	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		9	8	22	10	8	15	55	1	0	1	0	1	0	1
30	IT2016/002	11700216035	RONAK BARMAN		5	5	12	14	6	10	45	0	0	0	1	0	0	0
31	IT2016/036	11700216036	ROHIT SINGH		9	14	23	13	10	24	55	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		7	13	20	13	8	15	65	1	1	1	1	1	0	1
33	IT2016/083	11700216038	RITTIKA PAUL		3	13	14	13	8	17	55	0	1	0	1	1	0	1
34	IT2016/004	11700216039	RIBHU GHOSH		8	8	20	10	6	13	45	1	0	1	0	0	0	0
35	IT2016/067	11700216040	RAVI SHANKAR		8	9	20	19	6	22	75	1	0	1	1	0	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		9	13	22	10	6	20	75	1	1	1	0	0	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		9	14	23	13	10	24	65	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		8	13	20	13	8	15	55	1	1	1	1	1	0	1
39	IT2016/011	11700216044	RAHUL BARMAN		5	13	14	13	8	20	65	0	1	0	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		8	10	20	13	8	21	75	1	0	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS		9	8	22	12	8	15	65	1	0	1	1	1	0	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		6	5	12	14	8	10	55	0	0	0	1	1	0	1
43	IT2016/093	11700216048	PRITAM MANNA		9	14	23	13	10	24	65	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		9	13	22	13	9	22	85	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY		6	13	14	13	8	20	65	0	1	0	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		8	8	20	12	7	13	55	1	0	1	1	1	0	1
47	IT2016/010	11700216052	PIYUSH KUMAR		8	9	20	19	8	22	75	1	0	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		8	13	23	14	9	23	75	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR		10	13	24	14	9	23	65	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		10	12	21	12	10	24	65	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL		10	13	23	14	9	24	55	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR		6	14	20	12	8	20	65	0	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR		6	13	25	12	8	20	65	0	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA		10	13	24	14	9	23	75	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV		9	14	23	13	10	24	65	1	1	1	1	1	1	1

56	IT2016/076	11700216062	KUMAR ADITYA	10	13	24	15	9	23	65	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	8	5	9	10	8	11	25	1	0	0	0	1	0	0
58	IT2016/019	11700216064	INDRANI MAITY	6	5	10	13	9	20	55	0	0	0	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	9	12	21	12	9	22	75	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	8	13	14	13	8	20	65	1	1	0	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	8	13	20	10	6	22	75	1	1	1	0	0	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	8	9	20	19	8	22	55	1	0	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	8	13	23	14	9	23	65	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	10	13	24	14	9	23	55	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	10	12	21	12	10	24	55	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	10	13	23	14	9	24	55	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	9	14	23	13	10	23	55	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	6	13	25	12	8	20	55	0	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	10	13	24	14	9	23	65	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	9	10	20	12	9	20	75	1	0	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	12	22	13	9	23	85	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	10	20	12	9	21	65	1	0	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	6	13	22	13	10	22	85	0	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	9	14	23	13	10	23	75	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	7	9	20	19	8	22	45	1	0	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	6	13	23	14	9	23	75	0	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	13	24	14	9	23	75	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	8	12	21	12	10	24	45	1	1	1	1	1	1	0
79	IT2016/017	11700216086	ARNAB DAS	8	13	23	14	9	24	55	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	3	8	8	13	0	14	25	0	0	0	1	0	0	0
81	IT2016/001	11700216088	ARGHYA MRIDHA	0	13	8	12	5	11	25	0	1	0	1	0	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	5	13	13	13	0	16	25	0	1	0	1	0	0	0
83	IT2016/056	11700216090	APURBA SAHA	6	12	20	11	9	20	55	0	1	1	1	1	1	1
84	IT2016/091	11700216091	ANWESHA SAHA	5	13	12	8	5	17	45	0	1	0	0	0	0	0
85	IT2016/012	11700216092	ANUMITA SAHA	8	10	22	13	9	23	65	1	0	1	1	1	1	1
86	IT2016/072	11700216093	ANSHUMAN BAKSHI	10	13	20	13	8	21	85	1	1	1	1	1	1	1
87	IT2016/084	11700216094	ANKITA SAHA	7	10	20	13	7	22	65	1	0	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	7	10	22	14	8	23	65	1	0	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	10	12	23	14	6	22	65	1	1	1	1	0	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	10	12	22	14	8	22	75	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	7	12	23	14	6	20	75	1	1	1	1	0	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	7	14	23	13	8	23	85	1	1	1	1	1	1	1

1	73	69	77	84	79	77	77
0	19	23	15	8	13	15	15
CO attn	0.79	0.75	0.84	0.91	0.86	0.84	**0.84**

Avg Attn	**0.83**
Attn Level	**3**

Avg Attn	**0.84**
Attn Level	**3**

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	**3**											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
Avg values from table 1	3.00	1.50	2.00	1.50	2.00	2.00	2.00	2.33	3.00	3.00	1.50	1.67
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3
Attainment of PO for this course	3.00	1.50	2.00	1.50	2.00	2.00	2.00	2.33	3.00	3.00	1.50	1.67	**2.13**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	**PSO2**	**PSO3**	
Avg values from table 2	3.00	2.17	2.17	
Overall(Direct) CO attainment level	3	3.00	3.00	
Attainment of PSO for this course	3	2.17	2.17	**2.44**

Mapping of CO with PO and PSO of Basic Electrical & Electronic Engineering- II (Paper code: ES-201)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	-	2	1	-	-	2	1	-	2
CO2	3	3	3	-	2	1	-	-	2	1	-	1
CO3	3	3	3	-	1	1	-	-	2	-	-	2
CO4	3	3	3	-	3	2	-	-	2	1	-	2
CO5	3	3	3	-	3	2	-	-	2	-	-	1
CO6	3	3	3	-	3	2	-	-	2	1	-	1
AVERAGE	3.00	3.00	3.00	0	2.33	1.50	0	0	2.00	1.00	0	1.50

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	1	1
CO2	2	2	1
CO3	3	2	-
CO4	3	3	1
CO5	2	3	-
CO6	3	2	1
AVERAGE	2.67	2.17	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam	Course Outcome Attainment with target in %						
				CA1/CA2/CA3/CA4													
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	70%						50%	70%					
1	IT2016/034	11700216006	YASH AGARWAL		8	13	21	12	8	20	65	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	13	20	11	8	20	85	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		8	11	20	13	7	20	65	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	12	23	13	9	24	75	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	11	22	12	9	21	45	1	1	1	1	1	0
6	IT2016/037	11700216011	TIASHA SARKAR		8	13	21	13	9	22	55	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	13	21	13	7	22	45	1	1	1	1	1	0
8	IT2016/081	11700216013	SWETA BOSE		9	14	23	15	8	20	65	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		10	13	24	14	9	23	55	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	12	21	12	10	24	65	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	13	23	14	9	24	75	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	14	23	13	10	23	65	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		6	14	20	12	8	20	45	0	1	1	1	1	0
14	IT2016/094	11700216019	SUBHOJEET BHADURI		7	13	25	12	8	20	65	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	13	24	14	9	23	55	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	14	23	11	10	24	45	1	1	1	1	1	0
17	IT2016/038	11700216022	SOMA ROY		10	13	24	15	9	23	55	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		5	13	20	11	8	21	45	0	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		8	5	10	10	9	8	45	1	0	0	0	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN		9	13	22	14	8	23	35	1	1	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	12	20	13	7	21	85	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		9	15	23	15	9	24	75	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		3	14	18	13	9	20	45	0	1	1	1	1	0
24	IT2016/021	11700216029	SHASHANK ROY		10	14	23	14	10	24	75	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		7	10	15	8	8	18	35	1	0	0	0	1	0
26	IT2016/046	11700216031	SAYON MOULIK		10	13	23	13	8	23	75	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		9	15	21	13	8	24	75	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		8	13	22	14	9	22	65	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		9	8	22	12	8	15	65	1	0	1	1	1	0
30	IT2016/002	11700216035	RONAK BARMAN		5	5	12	14	8	10	35	0	0	0	1	1	0
31	IT2016/036	11700216036	ROHIT SINGH		9	14	23	13	10	24	55	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		8	13	20	13	8	15	75	1	1	1	1	1	0
33	IT2016/083	11700216038	RITTIKA PAUL		3	13	14	13	8	20	55	0	1	0	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		8	8	20	12	7	13	75	1	0	1	1	1	0
35	IT2016/067	11700216040	RAVI SHANKAR		8	9	20	19	8	22	45	1	0	1	1	1	0
36	IT2016/069	11700216041	RAJARSHI DAS		9	13	22	12	9	20	85	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		9	14	23	13	10	24	65	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		8	13	20	13	8	15	75	1	1	1	1	1	0
39	IT2016/011	11700216044	RAHUL BARMAN		5	13	14	13	8	20	55	0	1	0	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		8	11	20	13	8	21	75	1	1	1	1	1	1

41	IT2016/092	11700216046	PRIYANKA DAS	9	8	22	12	8	15	75	1	0	1	1	1	0	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	8	5	12	14	8	10	45	1	0	0	1	1	0	0
43	IT2016/093	11700216048	PRITAM MANNA	9	14	23	13	10	24	65	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	22	13	9	22	65	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	13	14	13	8	20	75	1	1	0	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	8	8	20	12	7	13	65	1	0	1	1	1	0	1
47	IT2016/010	11700216052	PIYUSH KUMAR	8	9	20	19	8	22	55	1	0	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	23	14	9	23	75	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	10	13	24	14	9	23	45	1	1	1	1	1	1	0
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	12	21	12	10	24	55	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	10	13	23	14	9	24	65	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	6	14	20	12	8	20	55	0	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	7	13	25	12	8	20	65	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	10	13	24	14	9	23	75	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	9	14	23	13	10	24	65	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	10	13	24	15	9	23	65	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	8	5	9	10	8	11	55	1	0	0	0	1	0	1
58	IT2016/019	11700216064	INDRANI MAITY	8	5	10	13	9	20	45	1	0	0	1	1	1	0
59	IT2016/007	11700216065	HOZAIFA WAHID	9	12	21	12	9	22	85	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	8	13	14	13	8	20	75	1	1	0	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	8	13	20	12	7	22	65	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	6	9	20	19	8	22	45	0	0	1	1	1	1	0
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	6	13	23	14	9	23	75	0	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	10	13	24	14	9	23	65	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	10	12	21	10	10	24	65	1	1	1	0	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	10	13	23	14	9	24	75	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	6	14	23	13	10	23	85	0	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	6	13	25	12	6	20	35	0	1	1	1	0	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	10	13	24	14	9	23	65	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	9	10	20	10	9	20	75	1	0	1	0	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	12	22	13	9	23	65	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	10	20	10	9	21	45	1	0	1	0	1	1	0
73	IT2016/090	11700216080	AVIK DATTA	8	13	22	13	10	22	45	1	1	1	1	1	1	0
74	IT2016/016	11700216081	AVIJIT DAS	9	14	23	13	10	23	65	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	6	9	20	19	6	22	65	0	0	1	1	0	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	6	13	23	14	9	23	65	0	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	13	24	14	9	23	75	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	5	12	17	10	10	24	55	0	1	0	0	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	5	13	23	14	9	24	65	0	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	3	8	8	13	0	14	55	0	0	0	1	0	0	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	0	13	8	12	5	11	35	0	1	0	1	0	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	5	13	13	13	0	16	35	0	1	0	1	0	0	0
83	IT2016/056	11700216090	APURBA SAHA	8	10	20	11	6	20	55	1	0	1	1	0	1	1
84	IT2016/091	11700216091	ANWESHA SAHA	5	13	12	8	5	17	65	0	1	0	0	0	0	1
85	IT2016/012	11700216092	ANUMITA SAHA	9	10	22	13	9	23	65	1	0	1	1	1	1	1
86	IT2016/072	11700216093	ANSHUMAN BAKSHI	10	13	20	13	6	17	65	1	1	1	1	0	0	1
87	IT2016/084	11700216094	ANKITA SAHA	9	10	20	13	7	22	75	1	0	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	9	10	22	14	6	23	65	1	0	1	1	0	1	1
89	IT2016/051	11700216097	AMAN KUMAR	10	10	23	14	6	22	55	1	0	1	1	0	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	10	10	22	14	6	22	65	1	0	1	1	0	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	9	12	23	14	6	20	65	1	1	1	1	0	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	9	14	23	13	6	23	55	1	1	1	1	0	1	1

1	73	69	77	84	79	77	72
0	19	23	15	8	13	15	20
CO attn	0.79	0.75	0.84	0.91	0.86	0.84	0.78

Avg Attn	0.83
Attn Level	3

Avg Attn	0.78
Attn Level	2

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	2.5

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	3.00	3.00	0	2.33	1.50	0	0	2.00	1.00	0	1.50	
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Attainment of PO for this course	2.50	2.50	2.50	0.00	1.94	1.25	0.00	0.00	1.67	0.83	0.00	1.25	**1.20**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.67	2.17	1.00	
Overall (Direct) CO attainment level	2.5	2.50	2.50	
Attainment of PSO for this course	2.22	1.81	0.83	**1.62**

Mapping of CO with PO and PSO of Mathematics-2 (Paper code: M-201)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	0	0	0	0	0	0	0	0	0
CO2	2	2	3	1	0	0	0	0	0	0	0	0
CO3	3	3	2	1	0	0	0	0	0	0	0	0
CO4	3	2	3	1	0	0	0	0	0	0	0	0
CO5	3	3	3	1	0	0	0	0	0	0	0	0
CO6	3	2	3	1	0	0	0	0	0	0	0	0
AVERAGE	2.83	2.50	2.67	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	2	2	-
CO2	2	2	-
CO3	2	2	-
CO4	2	2	-
CO5	2	2	-
CO6	2	2	-
AVERAGE	2.00	2.00	0

Attainment Level 1: 60% of students score more than target marks out of the maximum relevant marks. Attainment Level 2: 70% of students score more than target marks out of the maximum relevant marks. Attainment Level 3: 80% of students score more than target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	70%						50%	70%						
1	IT2016/034	11700216006	YASH AGARWAL		8	13	21	13	10	23	55	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		8	11	22	11	8	21	75	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ		9	12	23	12	9	23	45	1	1	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		9	14	22	13	9	23	65	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		7	13	24	13	6	23	45	1	1	1	1	0	1	0
6	IT2016/037	11700216011	TIASHA SARKAR		9	13	22	12	10	22	35	1	1	1	1	1	1	0
7	IT2016/086	11700216012	TAMOGHNA		8	12	21	12	8	22	55	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		9	12	22	14	6	24	75	1	1	1	1	0	1	1
9	IT2016/028	11700216014	SWARNALI ROY		8	11	23	13	9	24	55	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		9	12	24	15	9	23	65	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		9	12	22	14	8	23	55	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		8	13	22	15	6	24	65	1	1	1	1	0	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		10	12	23	14	9	24	75	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		10	10	21	13	9	24	65	1	0	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		7	12	24	13	10	23	45	1	1	1	1	1	1	0
16	IT2016/057	11700216021	SREJITA SAHA		9	14	22	13	8	22	55	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		9	13	23	14	10	22	45	1	1	1	1	1	1	0
18	IT2016/058	11700216023	SK MD FARUK		8	13	21	13	9	24	45	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		8	11	22	12	8	24	65	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		9	12	23	12	6	22	35	1	1	1	1	0	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	10	22	12	8	23	45	1	0	1	1	1	1	0
22	IT2016/049	11700216027	SHREYA VATS		8	12	22	11	8	21	55	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR		8	14	23	10	9	23	45	1	1	1	0	1	1	0
24	IT2016/021	11700216029	SHASHANK ROY		9	13	24	12	9	23	45	1	1	1	1	1	1	0
25	IT2016/053	11700216030	SHAHZEB AKHTAR		8	13	24	14	6	23	35	1	1	1	1	0	1	0
26	IT2016/046	11700216031	SAYON MOULIK		9	12	23	13	10	22	35	1	1	1	1	1	1	0
27	IT2016/078	11700216032	SAYANTAN		9	12	22	13	8	24	55	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		7	10	23	12	6	22	55	1	0	1	1	0	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		10	12	23	14	9	22	75	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		8	10	23	14	9	20	45	1	0	1	1	1	1	0

31	IT2016/036	11700216036	ROHIT SINGH	8	13	22	13	10	23	35	1	1	1	1	1	1	0
32	IT2016/048	11700216037	RITWIKA BANERJEE	8	12	22	12	9	21	55	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	9	10	23	13	9	22	85	1	0	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	9	10	21	13	10	23	55	1	0	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	7	14	24	13	8	22	65	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	9	13	22	14	9	22	45	1	1	1	1	1	1	0
37	IT2016/055	11700216042	RAHUL KUMAR	8	13	23	13	9	24	65	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	10	21	12	6	24	65	1	0	1	1	0	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	8	12	22	15	10	23	75	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	9	14	23	13	8	23	65	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	9	12	22	13	6	24	55	1	1	1	1	0	1	1
42	IT2016/024	11700216047	PRITHWIRAJ	8	13	22	14	9	24	75	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	10	12	23	13	9	24	45	1	1	1	1	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR	10	10	24	12	6	23	45	1	0	1	1	0	1	0
45	IT2016/070	11700216050	PRASENJIT DEY	7	12	24	12	10	22	45	1	1	1	1	1	1	0
46	IT2016/025	11700216051	PRAKASH KUMAR	9	14	23	12	8	22	55	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	9	13	22	11	6	24	55	1	1	1	1	0	1	1
48	IT2016/022	11700216053	PARTHAJIT	8	13	22	10	9	24	45	1	1	1	0	1	1	0
49	IT2016/085	11700216054	PAROMITA PODDAR	8	11	23	12	9	22	55	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	9	12	21	14	8	23	35	1	1	1	1	1	1	0
51	IT2016/062	11700216056	MD MUZAMMIL	9	10	22	13	6	21	35	1	0	1	1	0	1	0
52	IT2016/066	11700216058	LAKHAN KUMAR	8	14	22	12	6	23	45	1	1	1	1	0	1	0
53	IT2016/008	11700216059	KUNAL THAKUR	9	13	22	14	8	23	55	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	8	13	23	14	8	22	55	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	9	12	24	13	9	24	45	1	1	1	1	1	1	0
56	IT2016/076	11700216062	KUMAR ADITYA	9	12	24	12	9	22	55	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	7	10	23	13	6	21	55	1	0	1	1	0	1	1
58	IT2016/019	11700216064	INDRANI MAITY	10	12	22	13	10	23	45	1	1	1	1	1	1	0
59	IT2016/007	11700216065	HOZAIFA WAHID	8	12	23	13	8	23	45	1	1	1	1	1	1	0
60	IT2016/079	11700216066	HIMANSHU SHARAN	8	12	23	14	6	23	85	1	1	1	1	0	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	10	23	12	9	22	55	1	0	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR	9	12	22	12	9	24	45	1	1	1	1	1	1	0
63	IT2016/006	11700216069	HARSHIT ANAND	8	12	22	14	6	22	45	1	1	1	1	0	1	0
64	IT2016/088	11700216070	ESHA GUPTA	10	13	23	13	9	24	75	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	10	12	21	15	9	24	55	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	7	10	24	14	8	22	45	1	0	1	1	1	1	0
67	IT2016/060	11700216073	DAMINI KUMARI	9	12	22	15	6	23	45	1	1	1	1	0	1	0
68	IT2016/015	11700216075	BITTU KUMAR	8	13	21	13	9	23	55	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	8	13	22	13	10	23	45	1	1	1	1	1	1	0
70	IT2016/009	11700216077	BIDISHA MONDAL	9	10	23	13	8	23	65	1	0	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	12	22	14	10	22	75	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR	6	14	23	13	9	24	45	0	1	1	1	1	1	0
73	IT2016/090	11700216080	AVIK DATTA	8	12	21	12	8	22	55	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	9	13	24	12	6	22	55	1	1	1	1	0	1	1
75	IT2016/032	11700216082	ATANU GHARA	6	12	22	12	8	20	65	0	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	9	10	23	11	8	23	65	1	0	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA	9	12	21	10	9	21	75	1	1	1	0	1	1	1
78	IT2016/082	11700216085	ARPITA ROY	6	14	22	10	9	22	65	0	1	1	0	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	10	10	23	14	6	23	65	1	0	1	1	0	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	6	13	22	13	10	22	55	0	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	6	12	22	13	8	22	55	0	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	8	12	23	10	6	24	65	1	1	1	0	0	1	1
83	IT2016/056	11700216090	APURBA SAHA	9	14	24	14	9	23	35	1	1	1	1	1	1	0
84	IT2016/091	11700216091	ANWESHA SAHA	6	10	23	13	10	23	45	0	0	1	1	1	1	0
85	IT2016/012	11700216092	ANUMITA SAHA	9	13	22	10	8	24	55	1	1	1	0	1	1	1
86	IT2016/072	11700216093	ANSHUMAN BAKSHI	6	13	22	13	9	24	55	0	1	1	1	1	1	1
87	IT2016/084	11700216094	ANKITA SAHA	9	12	23	13	8	24	65	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	6	12	21	13	6	22	65	0	1	1	1	0	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	12	22	12	9	22	55	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	6	10	23	13	9	24	55	0	0	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM	9	10	24	10	8	21	75	1	0	1	0	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR	9	12	22	13	8	23	55	1	1	1	1	1	1	1

1	83	74	92	85	72	92	59
0	9	18	0	7	20	0	33
CO attn	0.90	0.80	1.00	0.92	0.78	1.00	0.64

Avg Attn	0.9
Attn Level	3

Avg Attn	0.64
Attn Level	1

Overall Course Outcome Attainment													
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)													
Direct CO attainment level	2												
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	2.83	2.50	2.67	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Overall (Direct) CO attainment level	2	2	2	2	2	2	2	2	2	2	2	2	
Attainment of PO for this course	1.89	1.67	1.78	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.49**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.00	2.00	0	
Overall (Direct) CO attainment level	2	2.00	2.00	
Attainment of PSO for this course	1.33	1.33	0.00	**0.89**

Mapping of CO with PO and PSO of Engineering Thermodynamics & Fluid Mechanics (Paper code: ME-201)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	-	-	-	-	-	-	-	-	-	-
CO2	2	2	-	-	-	-	-	-	-	-	-	-
CO3	2	2	-	-	1	1	-	-	-	-	-	-
CO4	2	1	-	-	1	1	2	1	-	-	1	1
CO5	2	2	-	-	-	-	-	-	-	-	-	-
CO6	2	2	1	-	1	1	2	1	-	-	1	1
AVERAGE	2.00	2.00	1.00	0	1.00	1.00	2.00	1.00	0	0	1.00	1.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	-	-	-
CO2	-	-	-
CO3	-	-	-
CO4	-	1	-
CO5	-	-	-
CO6	-	1	-
AVERAGE	0	1.00	0

Attainment Level 1: 60% of students score more than target marks out of the maximum relevant marks. Attainment Level 2: 70% of students score more than target marks out of the maximum relevant marks. Attainment Level 3: 80% of students score more than target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	70%						45%	70%						
1	IT2016/034	11700216006	YASH AGARWAL		6	12	16	12	8	20	48	0	1	0	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		6	9	17	9	8	22	50	0	0	0	0	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		6	12	16	12	8	20	48	0	1	0	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		6	12	16	12	8	20	48	0	1	0	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		6	9	17	9	8	22	45	0	0	0	0	1	1	0
6	IT2016/037	11700216011	TIASHA SARKAR		6	12	16	12	8	20	48	0	1	0	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		6	12	17	9	8	22	50	0	1	0	0	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		6	12	16	12	8	20	48	0	1	0	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		8	10	20	13	9	23	50	1	0	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		6	12	16	12	8	20	48	0	1	0	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		6	12	16	12	8	20	48	0	1	0	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		6	12	16	12	8	20	48	0	1	0	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		6	12	16	12	8	20	48	0	1	0	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		6	12	16	12	8	20	48	0	1	0	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		6	12	16	12	8	20	48	0	1	0	1	1	1	1

15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	6	12	16	12	8	20	48	0	1	0	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	6	12	16	12	8	20	48	0	1	0	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY	6	12	16	12	8	20	48	0	1	0	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	8	8	14	15	9	16	25	1	0	0	1	1	0	0
19	IT2016/014	11700216024	SIDDHANT SAHANI	8	8	14	15	9	16	25	1	0	0	1	1	0	0
20	IT2016/031	11700216025	SHUBHA GAYEN	6	9	17	9	8	22	45	0	0	0	0	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA	8	10	20	13	9	23	50	1	0	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	6	12	16	12	8	20	48	0	1	0	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	6	9	17	12	8	22	42	0	0	0	1	1	1	0
24	IT2016/021	11700216029	SHASHANK ROY	6	12	16	12	8	20	48	0	1	0	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	8	8	14	15	9	16	25	1	0	0	1	1	0	0
26	IT2016/046	11700216031	SAYON MOULIK	6	12	16	12	8	20	48	0	1	0	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	8	8	14	15	9	16	25	1	0	0	1	1	0	0
28	IT2016/029	11700216033	SANANDA PODDER	6	12	16	12	8	20	48	0	1	0	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	6	9	17	9	8	22	45	0	0	0	0	1	1	0
30	IT2016/002	11700216035	RONAK BARMAN	8	8	14	15	9	16	25	1	0	0	1	1	0	0
31	IT2016/036	11700216036	ROHIT SINGH	6	10	16	12	8	20	48	0	0	0	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	6	12	16	12	8	20	48	0	1	0	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	6	12	16	12	8	20	48	0	1	0	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	6	9	17	9	8	22	45	0	0	0	0	1	1	0
35	IT2016/067	11700216040	RAVI SHANKAR	10	15	24	14	9	23	75	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	6	12	16	12	8	20	48	0	1	0	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	8	10	20	13	9	23	50	1	0	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	6	12	16	12	8	20	48	0	1	0	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	6	12	16	12	8	20	48	0	1	0	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	6	12	16	12	8	20	48	0	1	0	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	10	14	23	14	9	24	65	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	6	12	16	12	8	20	48	0	1	0	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	10	13	24	14	10	24	55	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	6	12	16	12	8	20	48	0	1	0	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	14	21	12	9	23	75	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	10	13	24	15	10	20	65	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	10	12	24	15	9	25	75	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	6	12	16	12	8	20	48	0	1	0	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	14	23	14	10	24	75	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	8	10	20	13	9	23	50	1	0	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	10	13	24	14	10	24	55	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	6	12	16	12	8	20	48	0	1	0	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	8	10	20	13	9	23	50	1	0	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	6	12	16	12	8	20	48	0	1	0	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	6	12	16	12	8	20	48	0	1	0	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	10	20	13	9	23	50	1	0	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	10	14	22	14	10	22	75	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	10	12	20	14	9	21	65	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	10	13	24	14	10	24	55	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	6	12	16	12	8	20	48	0	1	0	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	6	9	17	12	8	22	42	0	0	0	1	1	1	0
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	14	23	13	10	22	75	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	8	8	14	15	9	16	25	1	0	0	1	1	0	0
64	IT2016/088	11700216070	ESHA GUPTA	10	13	24	14	10	24	55	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	6	12	16	12	8	20	48	0	1	0	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	8	14	22	13	10	23	65	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	6	12	16	12	8	20	48	0	1	0	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	8	8	14	15	9	16	25	1	0	0	1	1	0	0
69	IT2016/040	11700216076	BIKRAM MITRA	10	12	22	14	10	21	65	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	8	10	20	13	9	23	50	1	0	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	6	12	16	12	8	20	48	0	1	0	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	6	12	16	12	8	20	48	0	1	0	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	8	10	20	13	9	23	50	1	0	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	6	12	16	12	8	20	48	0	1	0	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	8	10	20	13	9	23	50	1	0	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	6	12	16	12	8	20	48	0	1	0	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	6	9	17	12	8	22	42	0	0	0	1	1	1	0
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	6	9	17	12	8	22	42	0	0	0	1	1	1	0
79	IT2016/017	11700216086	ARNAB DAS	8	10	20	13	9	23	50	1	0	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	6	12	16	12	8	20	48	0	1	0	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	6	12	16	12	8	20	48	0	1	0	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	8	8	14	15	9	16	25	1	0	0	1	1	0	0
83	IT2016/056	11700216090	APURBA SAHA	6	12	16	12	8	20	48	0	1	0	1	1	1	1
84	IT2016/091	11700216091	ANWESHA SAHA	8	11	20	13	9	23	50	1	1	1	1	1	1	1
85	IT2016/012	11700216092	ANUMITA SAHA	6	12	16	12	8	20	48	0	1	0	1	1	1	1
86	IT2016/072	11700216093	ANSHUMAN BAKSHI	9	10	20	13	6	22	65	1	0	1	1	0	1	1
87	IT2016/084	11700216094	ANKITA SAHA	7	12	16	12	8	20	48	1	1	0	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	6	12	16	12	8	20	48	0	1	0	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	6	12	16	12	8	20	48	0	1	0	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	6	12	16	12	8	20	48	0	1	0	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	6	9	17	9	8	22	45	0	0	0	0	1	1	0
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	6	9	17	12	8	22	42	0	0	0	1	1	1	0

1	36	61	27	85	91	84	74
0	56	31	65	7	1	8	18
CO attn	0.39	0.66	0.29	0.92	0.99	0.91	0.80

Avg Attn	0.696
Attn Level	1

Avg Attn	0.80
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	2											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	2.00	2.00	1.00	0	1.00	1.00	2.00	1.00	0	0	1.00	1.00
Overall (Direct) CO attainment level	2	2	2	2	2	2	2	2	2	2	2	2
Attainment of PO for this course	1.33	1.33	0.67	0.00	0.67	0.67	1.33	0.67	0.00	0.00	0.67	0.67	**0.67**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	0	1.00	0	
Overall (Direct) CO attainment level	2	2.00	2.00	
Attainment of PSO for this course	0	0.67	0.00	**0.22**

Mapping of CO with PO and PSO of Chemistry-I (Paper code: CH291)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	1	-	-	-	-	-	-	-	-
CO2	3	2	1	-	-	-	-	-	-	-	-	-
CO3	3	2	1	-	-	-	-	-	-	-	-	-
CO4	3	2	1	-	-	-	-	-	-	-	-	-
CO5	3	1	1	-	-	-	-	-	-	-	-	-
CO6	3	1	1	1	-	-	-	-	-	-	-	-
AVERAGE	3.00	1.67	1.00	1.00	0	0	0	0	0	0	0	0
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	-	-
CO2	1	-	-
CO3	1	-	-
CO4	1	-	-
CO5	1	-	-
CO6	1	-	-
AVERAGE	1.00	0	0

Attainment Level 1: 60% of students score more than target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's						Univ. Exam	Course Outcome Attainment with target in %						
					PCA1			PCA2										
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
				Target Level	80%						80%	80%						
Sl	Class Roll	Univ Roll	Name															
1	IT2016/034	11700216006	YASH AGARWAL		30	9	40	30	10	40	56	1	0	1	1	0	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		30	10	30	15	5	30	50	1	0	1	1	0	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		20	10	40	30	6	40	44	1	0	1	1	0	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		30	10	40	30	9	40	56	1	0	1	1	0	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		15	5	40	30	10	40	37	1	0	1	1	0	1	0
6	IT2016/037	11700216011	TIASHA SARKAR		30	6	35	30	9	35	50	1	0	1	1	0	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		30	9	37	30	10	37	56	1	0	1	1	0	1	1
8	IT2016/081	11700216013	SWETA BOSE		30	10	39	30	5	39	56	1	0	1	1	0	1	1
9	IT2016/028	11700216014	SWARNALI ROY		30	9	25	30	9	25	50	1	0	1	1	0	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		30	10	38	30	9	38	50	1	0	1	1	0	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		30	5	39	30	8	39	56	1	0	1	1	0	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		30	9	38	20	10	38	50	1	0	1	1	0	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		30	9	39	30	9	39	56	1	0	1	1	0	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		30	8	40	30	10	40	56	1	0	1	1	0	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		20	10	40	30	7	40	50	1	0	1	1	0	1	1

16	IT2016/057	11700216021	SREJITA SAHA	30	9	40	30	9	40	50	1	0	1	1	0	1	1
17	IT2016/038	11700216022	SOMA ROY	30	10	40	30	9	40	50	1	0	1	1	0	1	1
18	IT2016/058	11700216023	SK MD FARUK	30	7	40	26	8	40	56	1	0	1	1	0	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI	30	9	40	30	10	40	56	1	0	1	1	0	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN	30	9	30	22	10	30	56	1	0	1	1	0	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	26	8	40	30	9	40	50	1	0	1	1	0	1	1
22	IT2016/049	11700216027	SHREYA VATS	30	10	40	29	6	40	56	1	0	1	1	0	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	22	10	40	28	6	40	44	1	0	1	1	0	1	0
24	IT2016/021	11700216029	SHASHANK ROY	30	9	35	30	9	35	56	1	0	1	1	0	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	29	6	37	30	9	37	50	1	0	1	1	0	1	1
26	IT2016/046	11700216031	SAYON MOULIK	28	6	39	30	9	39	50	1	0	1	1	0	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	30	9	25	20	8	25	56	1	0	1	1	0	1	1
28	IT2016/029	11700216033	SANANDA PODDER	30	9	38	30	10	38	56	1	0	1	1	0	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	30	9	39	30	10	39	56	1	0	1	1	0	1	1
30	IT2016/002	11700216035	RONAK BARMAN	20	8	38	30	10	38	44	1	0	1	1	0	1	0
31	IT2016/036	11700216036	ROHIT SINGH	30	10	39	20	10	39	56	1	0	1	1	0	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	30	10	40	30	10	40	56	1	0	1	1	0	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	30	10	40	30	10	40	50	1	0	1	1	0	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	20	10	40	30	10	40	50	1	0	1	1	0	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	30	10	40	30	10	40	56	1	0	1	1	0	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	30	10	40	30	9	40	56	1	0	1	1	0	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	30	10	40	29	6	40	56	1	0	1	1	0	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	30	10	30	20	10	30	56	1	0	1	1	0	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	30	9	40	29	6	40	56	1	0	1	1	0	1	1
40	IT2016/077	11700216045	PUSPITA DAS	29	6	40	30	7	40	50	1	0	1	1	0	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	20	10	40	30	7	40	50	1	0	1	1	0	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	30	5	35	30	8	35	44	1	0	1	1	0	1	0
43	IT2016/093	11700216048	PRITAM MANNA	30	7	37	30	5	37	50	1	0	1	1	0	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	30	7	39	20	8	39	50	1	0	1	1	0	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	30	8	35	30	9	35	50	1	0	1	1	0	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	30	5	38	30	10	38	50	1	0	1	1	0	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	20	8	39	28	6	39	44	1	0	1	1	0	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	30	9	38	30	10	38	56	1	0	1	1	0	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	28	6	40	30	8	40	50	1	0	1	1	0	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	30	10	40	29	6	40	50	1	0	1	1	0	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	30	10	40	30	10	40	44	1	0	1	1	0	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	30	8	40	30	9	40	50	1	0	1	1	0	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	29	6	40	30	10	40	50	1	0	1	1	0	1	1
54	IT2016/045	11700216060	KUMARI RIYA	30	10	40	30	10	40	50	1	0	1	1	0	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	30	9	30	30	9	30	56	1	0	1	1	0	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	30	10	40	30	9	40	56	1	0	1	1	0	1	1
57	IT2016/073	11700216063	KAVERI SAHA	30	10	40	30	10	40	50	1	0	1	1	0	1	1
58	IT2016/019	11700216064	INDRANI MAITY	30	9	40	29	6	40	50	1	0	1	1	0	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	30	9	35	16	10	35	56	1	0	1	1	0	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	30	10	37	30	10	37	56	1	0	1	1	0	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	29	6	39	30	9	39	56	1	0	1	1	0	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	19	10	40	30	10	40	56	1	0	1	1	0	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	30	10	30	28	6	30	56	1	0	1	1	0	1	1
64	IT2016/088	11700216070	ESHA GUPTA	30	9	40	26	7	40	56	1	0	1	1	0	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	30	10	40	30	10	40	50	1	0	1	1	0	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	28	6	40	29	6	40	50	1	0	1	1	0	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	26	7	35	29	6	35	56	1	0	1	1	0	1	1
68	IT2016/015	11700216075	BITTU KUMAR	29	6	39	30	9	39	56	1	0	1	1	0	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	29	6	38	29	6	38	56	1	0	1	1	0	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	30	10	38	20	10	38	56	1	0	1	1	0	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	30	9	39	20	8	39	56	1	0	1	1	0	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	29	6	38	30	10	38	50	1	0	1	1	0	1	1
73	IT2016/090	11700216080	AVIK DATTA	20	10	39	30	9	39	50	1	0	1	1	0	1	1
74	IT2016/016	11700216081	AVIJIT DAS	20	8	40	30	9	40	56	1	0	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	30	10	40	20	8	40	44	1	0	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	30	9	40	30	9	40	50	1	0	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	30	9	40	30	9	40	50	1	0	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	20	8	40	20	6	40	50	1	0	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	30	9	40	30	10	40	44	1	0	1	1	0	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	30	9	30	20	10	30	56	1	0	1	1	0	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	20	6	40	30	10	40	50	1	0	1	1	0	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	30	10	40	29	6	40	44	1	0	1	1	0	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	30	10	35	30	10	35	56	1	0	1	1	0	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	29	6	37	30	10	37	56	1	0	1	1	0	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	30	6	39	30	10	39	50	1	0	1	1	0	1	1
86	IT2016/084	11700216094	ANKITA SAHA	30	10	37	30	9	37	56	1	0	1	1	0	1	1
87	IT2016/068	11700216095	ANKITA DATTA	30	10	39	28	6	39	56	1	0	1	1	0	1	1
88	IT2016/074	11700216096	AMIT KUMAR	30	10	38	28	6	38	50	1	0	1	1	0	1	1
89	IT2016/051	11700216097	AMAN KUMAR	30	9	38	30	8	38	50	1	0	1	1	0	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	28	6	39	30	9	39	44	1	0	1	1	0	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	28	6	38	30	9	38	44	1	0	1	1	0	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	30	8	39	20	6	39	44	1	0	1	1	0	1	1

1	92	0	92	92	5	92	87
0	0	92	0	0	87	0	5
CO attn	1.00	0.00	1.00	1.00	0.05	1.00	0.95

Avg Attn	0.68
Attn Level	1

Avg Attn	0.95
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	2.2											
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	3.00	1.67	1.00	1.00	0	0	0	0	0	0	0	0
Overall (Direct) CO attainment level	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Attainment of PO for this course	2.20	1.22	0.73	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.41**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	1.00	0	0	
Overall (Direct) CO attainment level	2.2	2.2	2.2	
Attainment of PSO for this course	0.73	0.00	0.00	**0.24**

Mapping of CO with PO and PSO of Basic Computation & Principles of Computer Programming (Paper code: CS291)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	-	2	-	2	3	-	1	1
CO2	3	1	1	1	3	-	-	2	3	-	2	-
CO3	3	2	3	1	-	-	-	2	3	3	1	-
CO4	3	2	3	2	-	2	-	3	3	-	1	2
CO5	3	1	1	1	-	-	-	2	3	-	2	-
CO6	3	2	3	3	1	2	2	3	3	-	2	2
AVERAGE	3.00	1.50	2.00	1.50	2.00	2.00	2.00	2.33	3.00	3.00	1.50	1.67
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	1	1
CO2	3	1	2
CO3	3	1	1
CO4	3	3	1
CO5	3	1	1
CO6	3	3	2
AVERAGE	3.00	1.67	1.33

Attainment Level 1: 60% of students score more than target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

Sl No	Class Roll	Univ Roll	Name		ALL PCA's PCA1 CO1	PCA1 CO2	PCA1 CO3	PCA2 CO4	PCA2 CO5	PCA2 CO6	Univ. Exam	Course Outcome Attainment with target in % CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
			Course Outcomes		CO1	CO2	CO3	CO4	CO5	CO6	Exam	Course Outcome Attainment with target in %						
			Marks Distribution		15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	
			Target Level		80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		14	14	9	15	14	8	51	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		13	13	8	12	13	8	53	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		12	11	9	12	11	8	51	1	1	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		14	15	9	15	14	9	55	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		14	15	10	14	15	9	52	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		15	10	9	11	12	8	37	1	0	1	0	1	1	0
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		13	13	8	12	13	8	49	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		15	15	10	14	15	9	51	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		12	12	8	13	12	8	40	1	1	1	1	1	1	0
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		12	12	8	12	12	7	46	1	1	1	1	1	0	0
11	IT2016/013	11700216016	SUSTHIT BISWAS		12	13	9	12	13	8	58	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		15	14	9	15	14	9	58	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		12	13	8	12	13	8	48	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		15	11	10	14	15	9	53	1	0	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		14	15	10	15	14	9	33	1	1	1	1	1	1	0

16	IT2016/057	11700216021	SREJITA SAHA	15	15	9	14	15	9	32	1	1	1	1	1	1	0
17	IT2016/038	11700216022	SOMA ROY	15	14	9	15	14	8	48	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	12	13	8	12	12	8	49	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI	14	15	9	14	15	9	51	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN	14	15	8	15	14	8	40	1	1	1	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA	13	12	8	12	13	8	46	1	1	1	1	1	1	0
22	IT2016/049	11700216027	SHREYA VATS	14	15	9	15	14	9	60	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	15	14	9	14	15	9	47	1	1	1	1	1	1	0
24	IT2016/021	11700216029	SHASHANK ROY	14	15	10	15	14	9	51	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	15	14	10	14	15	9	48	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	15	15	9	15	14	10	51	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	12	12	8	13	12	8	56	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	12	13	8	12	13	8	42	1	1	1	1	1	1	0
29	IT2016/030	11700216034	SAMRAT HALDER	13	11	8	12	12	7	49	1	0	1	1	1	0	1
30	IT2016/002	11700216048	RONAK BARMAN	14	15	9	15	14	9	37	1	1	1	1	1	1	0
31	IT2016/051	11700216051	ROHIT SINGH	14	13	8	14	15	9	37	1	1	1	1	1	1	0
32	IT2016/048	11700216037	RITWIKA BANERJEE	15	14	9	14	14	9	49	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	15	14	9	15	14	9	32	1	1	1	1	1	1	0
34	IT2016/004	11700216039	RIBHU GHOSH	15	15	10	15	15	10	53	1	1	1	1	1	1	1
48	IT2016/067	11700216040	RAVI SHANKAR	15	14	8	14	15	10	51	1	1	1	1	1	1	1
51	IT2016/069	11700216041	RAJARSHI DAS	13	12	9	12	12	8	51	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	13	15	8	15	14	9	48	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	14	15	9	14	15	9	47	1	1	1	1	1	1	0
39	IT2016/011	11700216044	RAHUL BARMAN	12	12	9	12	12	8	43	1	1	1	1	1	1	0
40	IT2016/077	11700216045	PUSPITA DAS	12	11	8	11	12	6	31	1	0	1	0	1	0	0
41	IT2016/092	11700216046	PRIYANKA DAS	15	15	9	15	14	9	33	1	1	1	1	1	1	0
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	15	14	10	15	14	10	42	1	1	1	1	1	1	0
43	IT2016/093	11700216048	PRITAM MANNA	15	15	9	14	14	9	51	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	15	14	9	15	14	9	51	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	12	11	8	12	12	8	45	1	0	1	1	1	1	0
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	14	15	9	14	14	9	42	1	1	1	1	1	1	0
47	IT2016/010	11700216052	PIYUSH KUMAR	12	14	9	13	12	9	49	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	12	13	8	11	12	8	49	1	1	1	0	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	12	13	8	12	12	9	37	1	1	1	1	1	1	0
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	14	15	9	14	14	10	47	1	1	1	1	1	1	0
51	IT2016/062	11700216056	MD MUZAMMIL	12	13	8	12	12	8	51	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	12	12	8	13	12	8	45	1	1	1	1	1	1	0
53	IT2016/008	11700216059	KUNAL THAKUR	13	13	8	13	12	8	48	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	14	15	10	15	14	10	51	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	14	15	9	14	14	9	37	1	1	1	1	1	1	0
56	IT2016/076	11700216062	KUMAR ADITYA	13	12	8	11	12	9	37	1	1	1	0	1	1	0
57	IT2016/073	11700216063	KAVERI SAHA	15	14	9	15	14	10	33	1	1	1	1	1	1	0
58	IT2016/019	11700216064	INDRANI MAITY	12	12	8	12	13	8	49	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	13	12	8	13	11	7	55	1	1	1	1	0	0	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	14	15	9	14	15	9	51	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	15	14	9	15	15	9	60	1	1	1	1	1	1	1
62	IT2016/048	11700216068	HEMANT KUMAR AGARWAL	14	15	9	15	14	9	42	1	1	1	1	1	1	0
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	14	15	10	14	15	9	58	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	12	12	7	11	10	7	46	1	1	0	0	0	0	0
65	IT2016/089	11700216071	DIPANJAN RAY	12	10	7	12	10	6	45	1	0	0	1	0	0	0
66	IT2016/043	11700216072	DEVESH DUGAR	11	12	8	12	11	7	53	0	1	1	1	0	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	12	12	8	12	13	9	46	1	1	1	1	1	1	0
68	IT2016/015	11700216075	BITTU KUMAR	15	14	9	15	14	9	25	1	1	1	1	1	1	12
69	IT2016/040	11700216076	BIKRAM MITRA	12	13	8	13	13	8	58	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	14	15	9	14	15	8	60	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	14	15	9	14	15	10	53	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	14	15	9	14	14	9	56	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	15	15	9	14	15	9	57	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	14	15	9	14	14	10	54	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	14	15	9	14	14	9	48	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	13	10	8	13	12	7	58	1	0	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	15	14	10	15	14	9	50	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	14	15	10	13	14	9	51	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	15	14	9	14	15	9	49	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	12	11	8	13	12	9	53	1	0	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	12	15	10	15	14	9	48	1	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	12	12	9	13	12	9	48	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	12	11	8	12	10	7	48	1	0	1	1	0	0	1
84	IT2016/012	11700216092	ANUMITA SAHA	14	15	9	14	15	9	49	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	12	13	9	13	12	8	46	1	1	1	1	1	1	0
86	IT2016/084	11700216094	ANKITA SAHA	12	11	8	12	12	9	57	1	0	1	1	1	1	1

87	IT2016/068	11700216095	ANKITA DATTA	12	12	8	13	13	8	51	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	12	12	9	14	13	8	48	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	15	12	9	15	13	9	48	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	14	15	8	13	12	8	52	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	12	12	8	12	13	9	54	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	13	12	9	13	13	8	47	1	1	1	1	1	1	0

1	91	82	90	87	87	84	59
0	1	10	2	5	5	8	32
CO attn	0.99	0.89	0.98	0.95	0.95	0.91	**0.65**

Avg Attn	**0.94**
Attn Level	**3**

Avg Attn	**0.65**
Attn Level	**1**

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	**1.8**

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	1.50	2.00	1.50	2.00	2.00	2.00	2.33	3.00	3.00	1.50	1.67	
Overall (Direct) CO attainment level	0	0	0	0	0	0	0	0	0	0	0	0	
Attainment of PO for this course	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	1.67	1.333	
Overall(Direct) CO attainment level	0	0	0	
Attainment of PSO for this course	0.00	0.00	0.00	**0.00**

Mapping of CO with PO and PSO of Basic Electrical & Electronic Engineering- II (Paper code: ES291)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	-	-	-	-	-	-	1	1	-	2
CO2	3	3	3	-	-	-	-	-	2	1	-	1
CO3	3	3	3	3	3	-	-	-	-	3	-	1
CO4	-	-	-	-	-	-	-	-	-	2	-	1
CO5	-	-	-	-	-	-	-	-	-	2	-	1
CO6	-	-	-	-	-	-	-	-	-	2	-	1
AVERAGE	3.00	3.00	3.00	3.00	3.00	0	0	0	1.50	1.83	0	1.17
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	2	1	1
CO2	2	3	1
CO3	3	2	-
CO4	3	2	-
CO5	2	1	-
CO6	3	2	-
AVERAGE	2.50	1.83	1.00

Attainment Level 1: 60% of students score more than target marks out of the maximum relevant marks. Attainment Level 2: 70% of students score more than target marks out of the maximum relevant marks. Attainment Level 3: 80% of students score more than target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's													
					PCA1			PCA2			Univ. Exam							
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		14	14	9	15	14	8	50	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		13	13	8	12	13	8	56	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		12	11	9	12	11	8	50	1	0	1	1	0	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		14	15	9	15	14	9	56	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		14	15	10	14	15	9	44	1	1	1	1	1	1	0
6	IT2016/037	11700216011	TIASHA SARKAR		15	10	9	11	12	8	50	1	0	1	0	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		13	13	8	12	13	8	50	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		15	15	10	14	15	9	56	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		12	12	8	13	12	8	56	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		12	12	8	12	12	7	50	1	1	1	1	1	0	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		12	13	9	12	13	8	50	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		15	14	9	15	14	9	37	1	1	1	1	1	1	0
13	IT2016/020	11700216018	SUDHANSHU KUMAR		12	13	8	12	13	8	50	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		15	11	10	14	15	9	50	1	0	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		14	15	10	15	14	9	50	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		15	15	9	14	15	9	50	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		15	14	9	15	14	8	50	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		12	13	8	12	12	8	50	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		14	15	9	14	15	9	50	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		14	15	8	15	14	8	50	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		13	12	8	12	13	8	56	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		14	15	9	15	14	9	44	1	1	1	1	1	1	0
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		15	14	9	14	15	9	50	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		14	15	10	15	14	9	50	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		15	14	10	14	15	9	44	1	1	1	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK		15	15	9	15	14	10	56	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		12	12	8	13	12	8	50	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		12	13	8	12	13	8	50	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		13	11	8	12	12	7	50	1	0	1	1	1	0	1
30	IT2016/002	11700216035	RONAK BARMAN		14	15	9	15	14	9	50	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		14	13	8	14	15	9	50	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		15	14	9	14	14	9	50	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		15	14	9	15	14	9	50	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		15	15	10	15	15	10	56	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		15	14	8	14	15	10	50	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		13	12	9	12	12	8	56	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		13	15	8	15	14	9	50	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		14	15	9	14	15	9	56	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		12	12	9	12	12	8	50	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		12	11	8	11	12	6	50	1	0	1	0	1	0	1
41	IT2016/092	11700216046	PRIYANKA DAS		15	15	9	15	14	9	50	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		15	14	10	15	14	10	50	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA		15	15	9	14	14	9	50	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		15	14	9	15	14	9	44	1	1	1	1	1	1	0
45	IT2016/070	11700216050	PRASENJIT DEY		12	11	8	12	12	8	50	1	0	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		14	15	9	14	14	9	44	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR		12	14	9	13	12	9	50	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		12	13	8	11	12	8	50	1	1	1	0	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR		12	13	8	12	12	9	50	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		14	15	9	14	14	10	44	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL		12	13	8	12	12	8	50	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR		12	12	8	13	12	8	50	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR		13	13	8	13	12	8	50	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA		14	15	10	15	14	10	50	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV		14	15	9	14	14	9	50	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA		13	12	8	11	12	9	50	1	1	1	0	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA		15	14	9	15	14	10	44	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY		12	12	8	12	13	8	50	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID		13	12	8	13	11	7	56	1	1	1	1	0	0	1
60	IT2016/079	11700216066	HIMANSHU SHARAN		14	15	9	14	15	9	50	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL		15	14	9	15	15	9	50	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL		14	15	9	15	14	9	50	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA		14	15	10	14	15	9	56	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA		12	12	7	11	10	7	56	1	1	0	0	0	0	1
65	IT2016/089	11700216071	DIPANJAN RAY		12	10	7	12	10	6	50	1	0	0	1	0	0	1
66	IT2016/043	11700216072	DEVESH DUGAR		11	12	8	12	11	7	44	0	1	1	1	0	0	1
67	IT2016/060	11700216073	DAMINI KUMARI		12	12	8	12	13	9	50	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR		15	14	9	15	14	9	50	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA		12	13	8	13	13	8	50	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL		14	15	9	14	15	8	56	1	1	1	1	1	1	1

71	IT2016/095	11700216078	AYUSH PARWAL	14	15	9	14	15	10	50	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	14	15	9	14	14	9	37	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	15	15	9	14	15	9	50	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	14	15	9	14	14	10	50	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	14	15	9	14	14	9	44	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	13	10	8	13	12	7	50	1	0	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	15	14	10	15	14	9	56	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	14	15	10	13	14	9	50	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	15	14	9	14	15	9	50	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	12	13	8	13	12	9	50	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	12	15	10	15	14	9	44	1	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	12	12	9	13	12	9	50	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	12	11	8	12	10	7	50	1	0	1	1	0	0	1
84	IT2016/012	11700216092	ANUMITA SAHA	14	15	9	14	15	9	50	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	12	13	9	13	12	8	44	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	12	13	8	12	12	9	50	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	12	12	8	13	13	8	50	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	12	12	9	14	13	8	50	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	15	13	9	15	13	9	50	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	14	15	8	13	12	8	50	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	12	12	8	12	13	9	50	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	13	12	9	13	13	8	50	1	1	1	1	1	1	0

1	91	83	90	87	86	84	86
0	1	9	2	5	6	8	6
CO attn	0.99	0.90	0.98	0.95	0.93	0.91	0.93

Avg Attn	0.94
Attn Level	3

Avg Attn	0.93
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level: 3

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	3.00	3.00	3.00	3.00	0	0	0	1.50	1.83	0	1.17	
Overall (Direct)CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	1.50	1.83	0.00	1.17	**1.63**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.50	1.83	1	
Overall (Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	2.50	1.83	1.00	**1.78**

Mapping of CO with PO and PSO of Basic Engg Drawing & Computer Graphics (Paper code: ME292)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	2	-	1	1	-	2	2	-	-	-
CO2	2	2	2	-	1	1	-	-	-	-	-	-
CO3	2	2	2	-	-	-	-	2	2	-	-	-
CO4	-	2	2	-	1	1	-	2	2	-	-	-
CO5	-	2	2	-	1	1	-	2	2	-	-	-
CO6	-	1	2	-	-	-	-	-	2	-	-	-
AVERAGE	2.00	2.00	2.00	0	1.00	1.00	0	2.00	2.00	0	0	0
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	1	-
CO2	1	1	-
CO3	1	-	-
CO4	-	1	-
CO5	1	-	-
CO6	-	1	-
AVERAGE	1.00	1.00	0

Attainment Level 1: 60% of students score more than target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's						Univ. Exam							
					PCA1			PCA2											
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/03	11700216006	YASH AGARWAL		14	14	9	15	14	8	50	1	1	1	1	1	1	1
2	IT2016/07	11700216007	VIVEK KUMAR		13	13	8	12	13	8	56	1	1	1	1	1	1	1
3	IT2016/02	11700216008	VISHWADHWAJ KUMAR		12	11	9	12	11	8	45	1	0	1	1	0	1	0
4	IT2016/07	11700216009	UZZWALPREET KAUR		14	15	9	15	14	9	56	1	1	1	1	1	1	1
5	IT2016/04	11700216010	TURNISHA SARKAR		14	15	10	14	15	9	45	1	1	1	1	1	1	0
6	IT2016/03	11700216011	TIASHA SARKAR		15	10	9	11	12	8	56	1	0	1	0	1	1	1
7	IT2016/08	11700216012	TAMOGHNA CHOWDHURY		13	13	8	12	13	8	56	1	1	1	1	1	1	1
8	IT2016/08	11700216013	SWETA BOSE		15	15	10	14	15	9	56	1	1	1	1	1	1	1
9	IT2016/02	11700216014	SWARNALI ROY		12	12	8	13	12	8	56	1	1	1	1	1	1	1
10	IT2016/08	11700216015	SUVRAJIT MUKHERJEE		12	12	8	12	12	7	45	1	1	1	1	1	0	0
11	IT2016/01	11700216016	SUSTHIT BISWAS		12	13	9	12	13	8	56	1	1	1	1	1	1	1
12	IT2016/02	11700216017	SUPRIYANTA PODDAR		15	14	9	15	14	9	50	1	1	1	1	1	1	1
13	IT2016/02	11700216018	SUDHANSHU KUMAR		12	13	8	12	13	8	50	1	1	1	1	1	1	1
14	IT2016/09	11700216019	SUBHOJEET BHADURI		15	11	10	14	15	9	56	1	0	1	1	1	1	1
15	IT2016/00	11700216020	SUBHAJIT MAJUMDAR		14	15	10	15	14	9	50	1	1	1	1	1	1	1
16	IT2016/05	11700216021	SREJITA SAHA		15	15	9	14	15	9	45	1	1	1	1	1	1	0
17	IT2016/03	11700216022	SOMA ROY		15	14	9	15	14	8	50	1	1	1	1	1	1	1
18	IT2016/05	11700216023	SK MD FARUK		12	13	8	12	12	8	50	1	1	1	1	1	1	1
19	IT2016/01	11700216024	SIDDHANT SAHANI		14	15	9	14	15	9	50	1	1	1	1	1	1	1
20	IT2016/03	11700216025	SHUBHA GAYEN		14	15	8	15	14	8	50	1	1	1	1	1	1	1
21	IT2016/06	11700216026	SHREYASH CHAMARIA		13	12	8	12	13	8	45	1	1	1	1	1	1	0
22	IT2016/04	11700216027	SHREYA VATS		14	15	9	15	14	9	50	1	1	1	1	1	1	1
23	IT2016/05	11700216028	SHIWAM KUMAR SUMAN		15	14	9	14	15	9	50	1	1	1	1	1	1	1
24	IT2016/02	11700216029	SHASHANK ROY		14	15	10	15	14	9	50	1	1	1	1	1	1	1
25	IT2016/05	11700216030	SHAHZEB AKHTAR		15	14	10	14	15	9	37	1	1	1	1	1	1	0
26	IT2016/04	11700216031	SAYON MOULIK		15	15	9	15	14	10	50	1	1	1	1	1	1	1
27	IT2016/07	11700216032	SAYANTAN CHATTERJEE		12	12	8	13	12	8	45	1	1	1	1	1	1	0
28	IT2016/02	11700216033	SANANDA PODDER		12	13	8	12	13	8	50	1	1	1	1	1	1	1
29	IT2016/03	11700216034	SAMRAT HALDER		13	11	8	12	12	7	50	1	0	1	1	1	0	1
30	IT2016/00	11700216035	RONAK BARMAN		14	15	9	15	14	9	50	1	1	1	1	1	1	1
31	IT2016/03	11700216036	ROHIT SINGH		14	13	8	14	15	9	50	1	1	1	1	1	1	1
32	IT2016/04	11700216037	RITWIKA BANERJEE		15	14	9	14	14	9	56	1	1	1	1	1	1	1
33	IT2016/08	11700216038	RITTIKA PAUL		15	14	9	15	14	9	56	1	1	1	1	1	1	1
34	IT2016/00	11700216039	RIBHU GHOSH		15	15	10	15	15	10	56	1	1	1	1	1	1	1
35	IT2016/06	11700216040	RAVI SHANKAR		15	14	8	14	15	10	56	1	1	1	1	1	1	1
36	IT2016/06	11700216041	RAJARSHI DAS		13	12	9	12	12	8	50	1	1	1	1	1	1	1
37	IT2016/05	11700216042	RAHUL KUMAR THAKUR		13	15	8	15	14	9	50	1	1	1	1	1	1	1
38	IT2016/04	11700216043	RAHUL KARMAKAR		14	15	9	14	15	9	50	1	1	1	1	1	1	1
39	IT2016/01	11700216044	RAHUL BARMAN		12	12	9	12	12	8	50	1	1	1	1	1	1	1
40	IT2016/07	11700216045	PUSPITA DAS		12	11	8	11	12	6	56	1	0	1	0	1	0	1
41	IT2016/09	11700216046	PRIYANKA DAS		15	15	9	15	14	9	50	1	1	1	1	1	1	1
42	IT2016/02	11700216047	PRITHWIRAJ MUKHERJEE		15	14	10	15	14	10	45	1	1	1	1	1	1	0
43	IT2016/09	11700216048	PRITAM MANNA		15	15	9	14	14	9	45	1	1	1	1	1	1	0
44	IT2016/05	11700216049	PRAVEEN KUMAR SHARMA		15	14	9	15	14	9	45	1	1	1	1	1	1	0
45	IT2016/07	11700216050	PRASENJIT DEY		12	11	8	12	12	8	50	1	0	1	1	1	1	1
46	IT2016/02	11700216051	PRAKASH KUMAR SINGH		14	15	9	14	14	9	50	1	1	1	1	1	1	1
47	IT2016/01	11700216052	PIYUSH KUMAR		12	14	9	13	12	9	45	1	1	1	1	1	1	1
48	IT2016/02	11700216053	PARTHAJIT MUKHERJEE		12	13	8	11	12	8	50	1	1	1	0	1	1	1
49	IT2016/08	11700216054	PAROMITA PODDAR		12	13	8	12	12	9	56	1	1	1	1	1	1	1
50	IT2016/08	11700216055	NUSHRAT HUSSAIN		14	15	9	14	14	10	33	1	1	1	1	1	1	0
51	IT2016/06	11700216056	MD MUZAMMIL		12	13	8	12	12	8	50	1	1	1	1	1	1	1
52	IT2016/06	11700216058	LAKHAN KUMAR		12	12	8	13	12	8	56	1	1	1	1	1	1	1
53	IT2016/00	11700216059	KUNAL THAKUR		13	13	8	13	12	8	50	1	1	1	1	1	1	1
54	IT2016/04	11700216060	KUMARI RIYA		14	15	10	15	14	10	50	1	1	1	1	1	1	1
55	IT2016/02	11700216061	KUMAR ANUBHAV		14	15	9	14	14	9	50	1	1	1	1	1	1	1
56	IT2016/07	11700216062	KUMAR ADITYA		13	12	8	11	12	9	50	1	1	1	0	1	1	1
57	IT2016/07	11700216063	KAVERI SAHA		15	14	9	15	14	10	45	1	1	1	1	1	1	1
58	IT2016/01	11700216064	INDRANI MAITY		12	12	8	12	13	8	56	1	1	1	1	1	1	1
59	IT2016/00	11700216065	HOZAIFA WAHID		13	12	8	13	11	7	56	1	1	1	1	0	0	1
60	IT2016/07	11700216066	HIMANSHU SHARAN		14	15	9	14	15	9	56	1	1	1	1	1	1	1
61	IT2016/01	11700216067	HIMANSHU JAISWAL		15	14	9	15	15	9	50	1	1	1	1	1	1	1
62	IT2016/03	11700216068	HEMANT KUMAR AGARWAL		14	15	9	15	14	9	56	1	1	1	1	1	1	1
63	IT2016/00	11700216069	HARSHIT ANAND GUPTA		14	15	10	14	15	9	56	1	1	1	1	1	1	1
64	IT2016/08	11700216070	ESHA GUPTA		12	12	7	11	10	7	56	1	1	0	0	0	0	1
65	IT2016/08	11700216071	DIPANJAN RAY		12	10	7	12	10	6	45	1	0	0	1	0	0	1
66	IT2016/04	11700216072	DEVESH DUGAR		11	12	8	12	11	7	45	0	1	1	1	0	0	1
67	IT2016/06	11700216073	DAMINI KUMARI		12	12	8	12	13	9	50	1	1	1	1	1	1	1
68	IT2016/01	11700216075	BITTU KUMAR		15	14	9	15	14	9	50	1	1	1	1	1	1	1
69	IT2016/04	11700216076	BIKRAM MITRA		12	13	8	13	13	8	50	1	1	1	1	1	1	1
70	IT2016/00	11700216077	BIDISHA MONDAL		14	15	9	14	15	8	56	1	1	1	1	1	1	1

71	IT2016/09	11700216078	AYUSH PARWAL	14	15	9	14	15	10	50	1	1	1	1	1	1	1
72	IT2016/06	11700216079	AVINASH KUMAR SINGH	14	15	9	14	14	9	56	1	1	1	1	1	1	1
73	IT2016/09	11700216080	AVIK DATTA	15	15	9	14	15	9	50	1	1	1	1	1	1	1
74	IT2016/01	11700216081	AVIJIT DAS	14	15	9	14	14	10	50	1	1	1	1	1	1	1
75	IT2016/03	11700216082	ATANU GHARA	14	15	9	14	14	9	37	1	1	1	1	1	1	1
76	IT2016/04	11700216083	ASHISH JAISWAL	13	10	8	13	12	7	50	1	0	1	1	1	1	1
77	IT2016/06	11700216084	ARUNAVA CHAUDHURI	15	14	10	15	14	9	50	1	1	1	1	1	1	1
78	IT2016/08	11700216085	ARPITA ROY CHOWDHURY	14	15	10	13	14	9	45	1	1	1	1	1	1	1
79	IT2016/01	11700216086	ARNAB DAS	15	14	9	14	15	9	50	1	1	1	1	1	1	1
80	IT2016/05	11700216087	ARIHANT RAJ	12	13	8	13	12	9	56	1	1	1	1	1	1	1
81	IT2016/00	11700216088	ARGHYA MRIDHA	12	15	10	15	14	9	50	1	1	1	1	1	1	1
82	IT2016/03	11700216089	ARGHADEEP MONDAL	12	12	9	13	12	9	45	1	1	1	1	1	1	1
83	IT2016/09	11700216091	ANWESHA SAHA	12	11	8	12	10	7	56	1	0	1	1	0	0	1
84	IT2016/01	11700216092	ANUMITA SAHA	14	15	9	14	15	9	50	1	1	1	1	1	1	1
85	IT2016/07	11700216093	ANSHUMAN BAKSHI	12	13	9	13	12	8	45	1	1	1	1	1	1	1
86	IT2016/08	11700216094	ANKITA SAHA	12	13	8	12	12	9	50	1	1	1	1	1	1	1
87	IT2016/06	11700216095	ANKITA DATTA	12	12	8	13	13	8	56	1	1	1	1	1	1	1
88	IT2016/07	11700216096	AMIT KUMAR	12	12	9	14	13	8	56	1	1	1	1	1	1	1
89	IT2016/05	11700216097	AMAN KUMAR	15	13	9	15	13	9	45	1	1	1	1	1	1	1
90	IT2016/04	11700216098	AMAN JAISWAL	14	15	8	13	12	8	50	1	1	1	1	1	1	1
91	IT2016/06	11700216099	AGNIBHO HOM CHOWDHURY	12	12	8	12	13	9	50	1	1	1	1	1	1	1
92	IT2016/03	11700216100	ABISHEK KUMAR MONDAL	13	12	9	13	13	8	45	1	1	1	1	1	1	0

1	91	83	90	87	86	84	80
0	1	9	2	5	6	8	12
CO attn	0.99	0.90	0.98	0.95	0.93	0.91	0.87

Avg Attn	0.94
Attn Level	3

Avg Attn	0.87
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	**3**

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	2.00	2.00	2.00	0	1.00	1.00	0	2.00	2.00	0	0	0	
Overal l(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	2.00	2.00	2.00	0.00	1.00	1.00	0.00	2.00	2.00	0.00	0.00	0.00	**1.00**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	1.00	1	0	
Overall (Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	1.00	1.00	0.00	**0.67**

Attainment Details of Semester III

Mapping of CO with PO and PSO of Basic Envirnomrntal Engineering & Elementary Biology (Paper code: CH-301)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	-	2	1	-	-	1	1	-	-	-	-	1
CO2	-	2	1	-	-	1	1	-	-	-	-	1
CO3	-	2	2	-	-	2	2	-	-	-	-	1
CO4	-	2	1	-	-	1	1	-	-	-	-	1
CO5	-	2	1	-	-	1	1	-	-	-	-	1
CO6	-	1	1	-	-	1	1	-	-	-	-	1
AVERAGE	0	1.83	1.17	0	0	1.17	1.17	0	0	0	0	1.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	1	-
CO2	1	1	1
CO3	1	1	-
CO4	1	1	1
CO5	1	1	1
CO6	1	1	-
AVERAGE	1.00	1.00	1.00

Attainment Level 1: 60% of students score more than 80% marks out of the maximum relevant marks. Attainment Level 2: 70% of students score more than 80% marks out of the maximum relevant marks. Attainment Level 3: 80% of students score more than 80% marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	60%						55%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		10	13	22	13	9	22	75	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		10	13	22	10	9	22	75	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		6	14	19	11	10	22	65	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		6	13	20	15	10	19	75	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	11	22	10	8	21	55	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		10	13	24	13	10	24	55	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		10	10	22	10	9	21	55	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		8	10	21	12	10	22	65	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		8	10	22	10	10	22	55	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	13	21	9	10	22	75	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		7	12	22	11	10	22	65	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		10	13	21	12	10	22	55	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		10	10	21	10	9	22	85	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		7	10	21	10	9	22	85	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	11	22	10	7	22	55	1	1	1	1	0	1	1
16	IT2016/057	11700216021	SREJITA SAHA		10	15	21	9	10	22	55	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		10	11	22	8	10	21	55	1	1	1	0	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		10	12	22	10	10	21	95	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		10	13	22	8	10	22	85	1	1	1	0	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		10	13	22	10	10	22	45	1	1	1	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		6	14	22	10	10	21	75	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		6	13	22	7	10	21	65	1	1	1	0	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		10	11	23	12	10	23	55	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		10	13	22	11	10	22	55	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		10	10	22	10	8	23	55	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		8	10	23	11	10	23	75	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		8	10	21	10	10	22	55	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		10	13	22	10	10	22	65	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		7	12	22	11	10	22	45	1	1	1	1	1	1	0
30	IT2016/002	11700216035	RONAK BARMAN		10	13	21	11	10	22	45	1	1	1	1	1	1	0

31	IT2016/036	11700216036	ROHIT SINGH	10	10	21	10	8	22	55	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	7	10	21	10	9	22	45	1	1	1	1	1	1	0
33	IT2016/083	11700216038	RITTIKA PAUL	10	11	21	10	9	23	45	1	1	1	1	1	1	0
34	IT2016/004	11700216039	RIBHU GHOSH	10	15	22	8	10	23	65	1	1	1	0	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	10	11	22	10	10	22	55	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	10	12	22	9	10	23	65	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	11	22	11	10	22	65	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	8	15	20	7	7	16	75	1	1	1	0	0	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	6	11	22	10	8	23	45	1	1	1	1	1	1	0
40	IT2016/077	11700216045	PUSPITA DAS	10	11	23	10	9	23	65	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	10	14	22	10	8	21	65	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	7	10	22	10	10	22	65	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	6	10	21	10	8	22	45	1	1	1	1	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	10	10	23	11	10	22	65	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	7	10	23	13	10	23	55	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	9	10	22	10	9	23	65	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	7	11	22	10	8	22	65	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	10	15	24	12	10	24	65	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	15	22	11	10	22	65	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	12	23	12	10	24	55	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	4	11	22	10	9	23	45	0	1	1	1	1	1	0
52	IT2016/066	11700216058	LAKHAN KUMAR	8	12	24	13	10	24	65	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	8	12	23	11	10	22	55	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	10	11	17	8	7	18	75	1	1	1	0	0	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	22	10	9	21	65	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	10	13	22	10	10	21	65	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	10	14	21	10	9	23	55	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	5	10	22	10	8	23	55	0	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	10	15	24	12	10	24	75	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	10	11	22	11	10	22	75	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	6	10	22	10	10	21	45	1	1	1	1	1	1	0
62	IT2016/035	11700216068	HEMANT KUMAR AGARWA	6	10	22	10	9	21	65	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	10	15	21	10	9	22	75	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	10	14	22	10	7	22	75	1	1	1	1	0	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	6	15	23	10	9	23	65	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	5	10	23	11	10	22	55	0	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	12	23	13	10	23	65	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	8	15	16	8	8	17	45	1	1	1	0	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	6	15	22	10	9	22	55	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	15	15	9	7	16	75	1	1	1	1	0	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	15	23	12	10	24	65	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	7	10	21	13	10	22	65	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	10	10	21	10	9	23	55	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	6	10	22	10	8	23	55	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	6	10	21	10	9	22	45	1	1	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	10	13	23	10	10	24	65	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	15	21	13	10	22	75	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	10	15	25	14	10	25	65	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	6	10	23	14	10	24	55	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	10	13	21	10	8	22	65	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	5	10	21	10	9	22	65	0	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	5	10	22	10	10	23	75	0	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	6	10	22	10	8	23	45	1	1	1	1	1	1	0
84	IT2016/012	11700216092	ANUMITA SAHA	10	15	22	10	9	21	65	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	10	13	22	10	9	21	55	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	10	14	22	10	10	22	65	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	10	14	22	10	9	21	75	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	10	15	22	10	10	21	65	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	10	22	10	10	23	55	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	9	10	21	10	9	22	65	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHUR	5	10	22	11	10	23	55	0	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	9	10	21	10	9	22	55	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	8	13	22	12	7	21	55	1	1	1	1	0	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	8	12	22	12	8	23	65	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	7	11	16	7	7	18	45	1	1	1	0	0	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	7	10	15	10	7	19	35	1	1	1	1	0	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	8	11	16	10	7	21	55	1	1	1	1	0	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	7	12	22	12	8	21	55	1	1	1	1	1	1	1

1	92	98	98	90	89	98	84
0	6	0	0	8	9	0	14
CO attn	0.94	1.00	1.00	0.92	0.91	1.00	0.86

Avg Attn	0.96
Attn Level	3

Avg Attn	0.86
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	3											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	0	1.83	1.17	0	0	1.17	1.17	0	0	0	0	1.00
Overall(Direct) CO attainment level	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Attainment of PO for this course	0.00	1.83	1.17	0.00	0.00	1.17	1.17	0.00	0.00	0.00	0.00	1.00	**0.53**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	1.00	1.00	1.00	
Overall(Direct) CO attainment level	3.00	3.00	3.00	
Attainment of PSO for this course	1.00	1.00	1.00	**1.00**

Mapping of CO with PO and PSO of Analog & Digital Electronics (Paper code: CS-301)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	-	2	2	3	2	3	-	2
CO2	3	2	1	1	2	-	-	3	3	1	1	3
CO3	3	2	3	1	1	-	-	2	3	2	2	2
CO4	3	3	3	2	-	-	-	3	3	2	2	2
CO5	3	2	1	1	3	-	-	2	3	1	2	2
CO6	3	2	2	1	-	-	-	2	2	-	2	1
AVERAGE	3.00	2.00	1.83	1.17	2.00	2.00	2.00	2.50	2.67	1.80	1.80	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	2
CO2	3	2	3
CO3	3	2	3
CO4	3	2	3
CO5	3	2	2
CO6	3	2	1
AVERAGE	3.00	2.17	2.33

Attainment Level 1: 60% of students score more than 80% marks out of the maximum relevant marks. Attainment Level 2: 70% of students score more than 80% marks out of the maximum relevant marks. Attainment Level 3: 80% of students score more than 80% marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						55%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		8	12	24	14	10	22	76	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		9	13	23	14	10	21	78	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		5	9	20	13	7	22	32	0	0	1	1	0	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	15	25	15	10	25	97	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		7	10	16	13	7	23	33	0	0	0	1	0	1	0
6	IT2016/037	11700216011	TIASHA SARKAR		9	14	21	14	9	21	67	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		8	14	20	12	8	21	46	1	1	1	1	1	1	0
8	IT2016/081	11700216013	SWETA BOSE		8	11	21	12	9	22	44	1	0	1	1	1	1	0
9	IT2016/028	11700216014	SWARNALI ROY		7	13	22	13	9	23	59	0	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		9	15	22	15	10	25	58	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		8	13	20	15	9	23	56	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	12	21	11	9	23	56	1	1	1	0	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		8	11	22	12	9	20	48	1	0	1	1	1	1	0

14	IT2016/094	11700216019	SUBHOJEET BHADURI	10	15	25	15	10	18	98	1	1	1	1	1	0	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	8	12	20	12	8	23	59	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	7	11	17	11	6	22	35	0	0	0	0	0	1	0
17	IT2016/038	11700216022	SOMA ROY	7	11	15	13	7	20	46	0	0	0	1	0	1	0
18	IT2016/058	11700216023	SK MD FARUK	6	12	14	12	6	21	36	0	1	0	1	0	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI	6	13	14	11	6	22	37	0	1	0	0	0	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN	6	13	14	12	6	23	32	0	1	0	1	0	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA	8	14	20	14	9	21	68	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	8	13	21	13	7	20	69	1	1	1	1	0	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	9	9	14	11	6	21	31	1	0	0	0	0	1	0
24	IT2016/021	11700216029	SHASHANK ROY	9	14	20	13	8	22	78	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	7	13	14	9	6	18	36	0	1	0	0	0	0	0
26	IT2016/046	11700216031	SAYON MOULIK	8	15	22	12	8	20	78	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	9	15	22	12	9	21	79	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	10	15	23	14	10	25	76	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	7	11	18	12	8	19	54	0	0	0	1	1	0	0
30	IT2016/002	11700216035	RONAK BARMAN	9	13	21	12	7	18	57	1	1	1	1	0	0	1
31	IT2016/036	11700216036	ROHIT SINGH	9	15	22	13	8	21	65	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	10	14	20	14	10	20	78	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	10	14	24	15	9	21	87	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	10	15	25	14	10	20	89	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	9	13	19	15	9	23	64	1	1	0	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	9	14	23	13	9	20	73	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	9	12	20	12	8	20	62	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	10	13	22	12	10	21	78	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	8	12	20	13	10	23	65	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	9	15	25	15	10	24	74	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	8	14	20	13	10	22	78	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	8	12	21	11	10	21	47	1	1	1	0	1	1	0
43	IT2016/093	11700216048	PRITAM MANNA	8	12	20	12	9	21	48	1	1	1	1	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	8	11	22	12	9	20	49	1	0	1	1	1	1	0
45	IT2016/070	11700216050	PRASENJIT DEY	9	13	24	14	9	22	78	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	8	13	16	10	7	22	36	1	1	0	0	0	1	0
47	IT2016/010	11700216052	PIYUSH KUMAR	7	14	24	14	8	20	65	0	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	9	15	23	12	10	21	66	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	12	20	12	10	21	57	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	7	11	20	15	10	25	58	0	0	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	8	12	22	13	8	21	53	1	1	1	1	1	1	0
52	IT2016/066	11700216058	LAKHAN KUMAR	9	12	20	13	8	21	67	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	8	14	22	14	10	24	54	1	1	1	1	1	1	0
54	IT2016/045	11700216060	KUMARI RIYA	9	14	24	12	9	22	78	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	7	12	21	12	9	20	57	0	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	15	22	12	8	20	50	1	1	1	1	1	1	0
57	IT2016/073	11700216063	KAVERI SAHA	7	10	22	13	10	23	47	0	0	1	1	1	1	0
58	IT2016/019	11700216064	INDRANI MAITY	9	11	22	13	9	20	55	1	0	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	8	15	23	14	9	20	77	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	6	11	20	12	9	22	43	0	0	1	1	1	1	0
61	IT2016/018	11700216067	HIMANSHU JAISWAL	5	10	15	9	6	20	30	0	0	0	0	0	1	0
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	8	13	21	13	8	20	59	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	15	23	13	10	22	62	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	9	10	19	13	10	23	59	1	0	0	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	8	14	23	15	10	24	79	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	9	12	21	13	9	21	69	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	9	13	23	13	9	23	74	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	9	11	21	11	7	20	47	1	0	1	0	0	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	9	14	21	13	9	20	52	1	1	1	1	1	1	0
70	IT2016/009	11700216077	BIDISHA MONDAL	10	15	24	15	10	23	73	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	10	15	25	15	10	25	88	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	10	15	25	13	9	25	76	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	7	11	18	11	8	20	47	0	0	0	0	1	1	0
74	IT2016/016	11700216081	AVIJIT DAS	10	14	23	12	10	23	71	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	8	14	23	9	9	22	64	1	1	1	0	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	9	12	22	13	9	24	78	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	15	24	15	10	25	89	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	12	21	14	9	23	67	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	8	13	22	13	9	22	64	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	12	21	14	9	20	58	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	7	12	20	11	7	20	46	0	1	1	0	0	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	8	11	20	12	7	20	45	1	0	1	1	0	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	10	15	25	15	9	24	85	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	10	15	25	15	10	24	77	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	9	12	23	13	9	24	68	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	8	13	24	13	9	25	74	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	10	14	25	15	10	25	79	1	1	1	1	1	1	1

88	IT2016/074	11700216096	AMIT KUMAR	7	11	22	11	7	21	47	0	0	1	0	0	1	0
89	IT2016/051	11700216097	AMAN KUMAR	8	12	21	12	8	21	48	1	1	1	1	1	1	0
90	IT2016/044	11700216098	AMAN JAISWAL	9	12	21	12	8	23	58	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	9	14	23	13	9	24	67	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	13	21	10	8	21	44	1	1	1	0	1	1	0
93	IT2017/L01	11700217001	SUTANUKA DAS	8	13	22	12	7	21	45	1	1	1	1	0	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	8	12	22	12	8	23	53	1	1	1	1	1	1	0
95	IT2017/L03	11700217003	RUMELI BANERJEE	7	11	16	7	7	18	33	0	0	0	0	0	0	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	7	10	15	10	7	19	34	0	0	0	0	0	0	0
97	IT2017/L05	11700217005	DEBALINA MAITI	8	11	16	10	7	21	48	1	0	0	0	0	1	0
98	IT2017/L04	11700217006	ANWESHA DEY	7	12	22	12	8	21	48	0	1	1	1	1	1	0

1	76	76	81	81	77	92	61
0	22	22	17	17	21	6	37
CO attn	0.78	0.78	0.83	0.83	0.79	0.94	0.62

Avg Attn	0.82
Attn Level	3

Avg Attn	0.62
Attn Level	1

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	2

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.00	1.83	1.17	2.00	2.00	2.00	2.50	2.67	1.80	1.80	2.00	
Overall(Direct) CO attainment level	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
Attainment of PO for this course	2.00	1.33	1.22	0.78	1.33	1.33	1.33	1.67	1.78	1.20	1.20	1.33	**1.38**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	2.17	2.33	
Overall(Direct) CO attainment level	2.00	2.00	2.00	
Attainment of PSO for this course	2.00	1.44	1.56	**1.67**

Mapping of CO with PO and PSO of Data Structure and Algorithms (Paper code: CS302)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	2	-	-	-	-	-	-	-	-	2
CO2	3	3	2	-	-	-	2	-	3	2	-	1
CO3	3	2	2	-	3	-	1	-	-	1	-	-
CO4	3	2	2	3	1	1	-	-	3	-	-	-
CO5	3	2	2	2	2	2	2	1	3	1	-	-
CO6	3	3	2	2	2	-	1	3	-	2	-	
AVERAGE	3.00	2.17	2.17	2.33	2.00	1.67	1.67	1.00	3.00	1.33	2.00	1.50

Average = Sum/ Number of entries

Table 2

	PSO1	PSO2	PSO3
CO1	-	-	-
CO2	2	-	3
CO3	-	2	-
CO4	-	2	-
CO5	2	3	1
CO6	3	-	1
AVERAGE	2.33	2.33	1.67

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	70%						50%	70%						
1	IT2016/034	11700216006	YASH AGARWAL		10	14	23	14	10	23	85	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		10	15	23	14	10	22	85	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		6	8	12	8	7	13	45	0	0	0	0	1	0	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	15	22	14	10	22	85	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		9	12	17	11	9	18	65	1	1	0	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		8	9	15	10	7	16	55	1	0	0	0	1	0	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		10	14	23	14	10	22	85	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		10	14	22	15	10	22	85	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		7	9	15	9	8	16	55	1	0	0	0	1	0	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		8	11	18	11	8	17	65	1	1	1	1	1	0	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	15	23	15	10	22	85	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	12	21	12	9	21	75	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		9	12	20	13	9	21	75	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		8	11	18	11	9	18	65	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		9	11	18	12	8	18	65	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		7	9	16	10	7	15	55	1	0	0	0	1	0	1
17	IT2016/038	11700216022	SOMA ROY		7	8	12	8	7	12	45	1	0	0	0	1	0	0
18	IT2016/058	11700216023	SK MD FARUK		6	7	11	7	6	10	35	0	0	0	0	0	0	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		5	7	11	7	5	10	35	0	0	0	0	0	0	0
20	IT2016/031	11700216025	SHUBHA GAYEN		6	6	11	6	6	11	35	0	0	0	0	0	0	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		10	14	22	14	10	23	85	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		9	12	17	11	9	17	65	1	1	0	1	1	0	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		6	8	12	9	7	13	45	0	0	0	0	1	0	0
24	IT2016/021	11700216029	SHASHANK ROY		10	14	22	14	10	22	85	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		6	7	10	7	6	11	35	0	0	0	0	0	0	0
26	IT2016/046	11700216031	SAYON MOULIK		10	15	22	15	10	23	85	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		8	12	18	11	9	18	65	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		9	13	21	13	9	20	75	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		9	11	18	11	8	17	65	1	1	1	1	1	0	1
30	IT2016/002	11700216035	RONAK BARMAN		8	10	16	9	8	16	55	1	0	0	0	1	0	1
31	IT2016/036	11700216036	ROHIT SINGH		10	12	21	12	10	20	75	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		10	15	23	14	10	23	85	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		8	12	17	11	8	17	65	1	1	0	1	1	0	1
34	IT2016/004	11700216039	RIBHU GHOSH		10	12	20	13	9	21	75	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		9	13	21	13	10	20	75	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		10	14	23	14	10	22	85	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		10	15	23	15	10	23	85	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		10	12	20	13	10	21	75	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		8	12	18	11	8	18	65	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		10	15	23	14	10	23	85	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS		8	9	15	10	7	15	55	1	0	0	0	1	0	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		7	9	12	9	7	13	45	1	0	0	0	1	0	0
43	IT2016/093	11700216048	PRITAM MANNA		6	8	13	9	6	12	45	0	0	0	0	0	0	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		8	12	17	11	9	18	65	1	1	0	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY		9	12	17	11	8	18	65	1	1	0	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		7	10	16	9	7	16	55	1	0	0	0	1	0	1
47	IT2016/010	11700216052	PIYUSH KUMAR		9	11	17	11	8	17	65	1	1	0	1	1	0	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		10	12	21	12	9	20	75	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR		7	9	12	8	7	12	45	1	0	0	0	1	0	0
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		9	11	18	12	9	18	65	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL		9	12	17	11	8	17	65	1	1	0	1	1	0	1
52	IT2016/066	11700216058	LAKHAN KUMAR		8	10	15	9	8	16	55	1	0	0	0	1	0	1
53	IT2016/008	11700216059	KUNAL THAKUR		8	12	18	12	9	17	65	1	1	1	1	1	0	1
54	IT2016/045	11700216060	KUMARI RIYA		9	11	17	12	8	18	65	1	1	0	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV		8	11	18	12	8	18	65	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA		9	12	21	13	10	20	75	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA		6	9	13	8	6	13	45	0	0	0	0	0	0	0
58	IT2016/019	11700216064	INDRANI MAITY		7	10	16	9	7	15	55	1	0	0	0	1	0	1

59	IT2016/007	11700216065	HOZAIFA WAHID	10	15	23	15	10	22	85	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	21	13	9	21	75	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	6	7	10	6	6	11	35	0	0	0	0	0	0	0
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	8	11	18	12	8	18	65	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	10	15	23	15	10	22	85	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	10	15	23	15	10	22	85	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	10	12	20	12	10	20	75	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	8	9	16	10	8	16	55	1	0	0	0	1	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	15	23	14	10	22	85	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	7	9	16	9	8	16	55	1	0	0	0	1	0	1
69	IT2016/040	11700216076	BIKRAM MITRA	10	13	20	12	9	21	75	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	14	22	15	10	22	85	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	10	15	25	15	10	25	95	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	8	12	17	12	9	17	65	1	1	0	1	1	0	1
73	IT2016/090	11700216080	AVIK DATTA	9	13	21	13	9	21	75	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	10	12	21	12	9	21	75	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	8	9	16	10	7	15	55	1	0	0	0	1	0	1
76	IT2016/041	11700216083	ASHISH JAISWAL	10	15	22	14	10	23	85	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	15	22	15	10	23	85	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	12	18	11	8	18	65	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	10	13	20	13	9	20	75	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	10	12	21	13	10	21	75	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	6	6	11	7	6	11	35	0	0	0	0	0	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	7	9	15	10	8	16	55	1	0	0	0	1	0	1
83	IT2016/091	11700216091	ANWESHA SAHA	10	13	21	12	10	21	75	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	10	13	21	12	9	21	75	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	10	15	22	15	10	23	85	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	9	13	21	12	10	20	75	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	10	12	21	13	10	20	75	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	9	11	18	11	9	17	65	1	1	1	1	1	0	1
89	IT2016/051	11700216097	AMAN KUMAR	8	9	15	9	8	16	55	1	0	0	0	1	0	1
90	IT2016/044	11700216098	AMAN JAISWAL	10	13	21	13	10	20	75	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	10	15	22	14	10	23	85	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	9	12	17	11	8	17	65	1	1	0	1	1	0	1
93	IT2017/L01	11700217001	SUTANUKA DAS	7	9	16	9	8	15	55	1	0	0	0	1	0	1
94	IT2017/L06	11700217002	SNEHA YADAV	10	12	20	13	10	20	75	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	7	8	13	9	6	13	45	1	0	0	0	0	0	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	6	6	10	7	6	11	35	0	0	0	0	0	0	0
97	IT2017/L05	11700217005	DEBALINA MAITI	8	10	16	9	8	15	55	1	0	0	0	1	0	1
98	IT2017/L04	11700217006	ANWESHA DEY	7	9	15	10	7	15	55	1	0	0	0	1	0	1

1	87	67	57	67	88	57	83
0	11	31	41	31	10	41	15
CO attn	0.89	0.68	0.58	0.68	0.90	0.58	0.85

Avg Attn	0.719
Attn Level	2

Avg Attn	0.85
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	2.5											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	3.00	2.17	2.17	2.33	2.00	1.67	1.67	1.00	3.00	1.33	2.00	1.50
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Attainment of PO for this course	2.50	1.81	1.81	1.94	1.67	1.39	1.39	0.83	2.50	1.11	1.67	1.25	**1.66**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.33	2.33	1.67	
Overall (Direct) CO attainment level	2.50	2.50	2.50	
Attainment of PSO for this course	1.94	1.94	1.39	**1.76**

Mapping of CO with PO and PSO of Computer Organization (Paper code: CS 303)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	-	-	-	-	-	-	-	-	1
CO2	3	3	2	2	1	-	-	-	-	-	-	1
CO3	3	2	3	2	1	-	-	-	-	-	-	1
CO4	3	3	2	1	-	-	-	-	-	-	-	1
CO5	3	2	1	1	-	-	-	-	-	-	-	1
CO6	3	2	2	1	-	-	-	-	-	-	-	1
AVERAGE	3.00	2.17	1.83	1.33	1.00	0	0	0	0	0	0	1.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	2	1
CO2	3	2	1
CO3	3	2	2
CO4	3	1	1
CO5	3	1	1
CO6	3	1	1
AVERAGE	3.00	1.50	1.17

Attainment Level 1: 60% of students score more than target level marks out of maximum relevant marks.
Attainment Level 2: 50% of students score more than target level marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than target level marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	10	15	10	15	25	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	60%						55%	60%						
1	IT2016/034	11700216006	YASH AGARWAL		6	9	7	11	17	16	55	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	11	8	13	20	19	55	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		4	6	5	8	12	11	35	0	0	0	0	0	0	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		9	13	10	15	24	23	75	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		4	6	5	8	12	11	55	0	0	0	0	0	0	1
6	IT2016/037	11700216011	TIASHA SARKAR		5	7	6	9	14	13	45	0	0	1	1	0	0	0
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		6	9	7	11	17	16	45	1	1	1	1	1	1	0
8	IT2016/081	11700216013	SWETA BOSE		6	9	7	10	16	15	35	1	1	1	1	1	1	0
9	IT2016/028	11700216014	SWARNALI ROY		6	7	6	9	14	13	55	1	0	1	1	0	0	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	15	9	15	24	25	55	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		6	9	7	10	16	15	45	1	1	1	1	1	1	0
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		6	7	6	9	14	13	45	1	0	1	1	0	0	0
13	IT2016/020	11700216018	SUDHANSHU KUMAR		7	11	8	13	20	19	45	1	1	1	1	1	1	0
14	IT2016/094	11700216019	SUBHOJEET BHADURI		8	12	9	14	22	21	65	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		6	9	7	10	16	15	45	1	1	1	1	1	1	0
16	IT2016/057	11700216021	SREJITA SAHA		6	7	6	9	14	13	35	1	0	1	1	0	0	0
17	IT2016/038	11700216022	SOMA ROY		6	7	6	9	14	13	45	1	0	1	1	0	0	0
18	IT2016/058	11700216023	SK MD FARUK		6	9	7	11	17	16	45	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		4	6	5	8	12	11	35	0	0	0	0	0	0	0
20	IT2016/031	11700216025	SHUBHA GAYEN		6	7	6	9	14	13	35	1	0	1	1	0	0	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		8	12	9	14	22	21	65	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		7	10	8	12	19	18	55	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		4	6	5	8	12	11	35	0	0	0	0	0	0	0
24	IT2016/021	11700216029	SHASHANK ROY		6	9	7	10	16	15	45	1	1	1	1	1	1	0
25	IT2016/053	11700216030	SHAHZEB AKHTAR		6	7	6	9	14	13	35	1	0	1	1	0	0	0
26	IT2016/046	11700216031	SAYON MOULIK		7	11	8	13	20	19	45	1	1	1	1	1	1	0
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		6	10	8	11	18	17	45	1	1	1	1	1	1	0
28	IT2016/029	11700216033	SANANDA PODDER		10	15	9	16	24	24	75	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		6	9	7	11	17	16	35	1	1	1	1	1	1	0
30	IT2016/002	11700216035	RONAK BARMAN		4	7	6	8	13	12	45	0	0	1	0	0	0	0
31	IT2016/036	11700216036	ROHIT SINGH		6	9	7	10	16	15	45	1	1	1	1	1	1	0
32	IT2016/048	11700216037	RITWIKA BANERJEE		6	10	8	11	18	17	45	1	1	1	1	1	1	0
33	IT2016/083	11700216038	RITTIKA PAUL		6	9	7	11	17	16	35	1	1	1	1	1	1	0
34	IT2016/004	11700216039	RIBHU GHOSH		7	11	8	13	20	19	65	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		6	9	7	11	17	16	45	1	1	1	1	1	1	0
36	IT2016/069	11700216041	RAJARSHI DAS		9	13	10	15	24	23	55	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		6	7	6	9	14	13	45	1	0	1	1	0	0	0
38	IT2016/042	11700216043	RAHUL KARMAKAR		6	9	7	10	16	15	55	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		6	9	7	10	16	15	45	1	1	1	1	1	1	0
40	IT2016/077	11700216045	PUSPITA DAS		7	11	8	13	20	19	65	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS		6	10	8	11	18	17	55	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		6	7	6	9	14	13	45	1	0	1	1	0	0	0
43	IT2016/093	11700216048	PRITAM MANNA		6	10	8	11	18	17	35	1	1	1	1	1	1	0

44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	6	7	6	9	14	13	55	1	0	1	1	0	0	1
45	IT2016/070	11700216050	PRASENJIT DEY	6	10	8	11	18	17	45	1	1	1	1	1	1	0
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	6	7	6	9	14	13	35	1	0	1	1	0	0	0
47	IT2016/010	11700216052	PIYUSH KUMAR	6	9	7	10	16	15	65	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	6	7	6	9	14	13	45	1	0	1	1	0	0	0
49	IT2016/085	11700216054	PAROMITA PODDAR	4	6	5	8	12	11	35	0	0	0	0	0	0	0
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	8	12	9	14	22	21	45	1	1	1	1	1	1	0
51	IT2016/062	11700216056	MD MUZAMMIL	6	9	7	11	17	16	45	1	1	1	1	1	1	0
52	IT2016/066	11700216058	LAKHAN KUMAR	6	10	8	11	18	17	55	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	6	7	6	9	14	13	45	1	0	1	1	0	0	0
54	IT2016/045	11700216060	KUMARI RIYA	4	6	5	8	12	11	55	0	0	0	0	0	0	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	6	10	8	11	18	17	65	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	10	15	10	15	23	24	65	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	10	14	9	16	24	25	45	1	1	1	1	1	1	0
58	IT2016/019	11700216064	INDRANI MAITY	4	6	5	8	12	11	45	0	0	0	0	0	0	0
59	IT2016/007	11700216065	HOZAIFA WAHID	9	13	10	15	24	23	75	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	7	10	8	12	19	18	65	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	4	7	6	8	13	12	35	0	0	1	0	0	0	0
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	4	7	6	8	13	12	35	0	0	1	0	0	0	0
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	6	10	8	11	18	17	55	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	10	15	10	15	25	23	65	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	10	15	10	14	24	23	75	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	4	6	5	8	12	11	35	0	0	0	0	0	0	0
67	IT2016/060	11700216073	DAMINI KUMARI	6	9	7	11	17	16	55	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	4	6	5	8	12	11	35	0	0	0	0	0	0	0
69	IT2016/040	11700216076	BIKRAM MITRA	6	9	6	10	15	14	45	1	1	1	1	1	0	0
70	IT2016/009	11700216077	BIDISHA MONDAL	7	11	8	13	20	19	65	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	8	11	9	13	21	20	55	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	4	6	5	8	12	11	45	0	0	0	0	0	0	0
73	IT2016/090	11700216080	AVIK DATTA	6	9	7	11	17	16	45	1	1	1	1	1	1	0
74	IT2016/016	11700216081	AVIJIT DAS	7	10	8	12	19	18	65	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	4	6	5	8	12	11	35	0	0	0	0	0	0	0
76	IT2016/041	11700216083	ASHISH JAISWAL	4	6	5	8	12	11	55	0	0	0	0	0	0	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	15	10	14	23	24	75	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	7	11	8	13	20	19	45	1	1	1	1	1	1	0
79	IT2016/017	11700216086	ARNAB DAS	4	7	6	8	13	12	56	0	0	1	0	0	0	1
80	IT2016/054	11700216087	ARIHANT RAJ	7	11	8	13	20	19	55	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	4	6	5	8	12	11	35	0	0	0	0	0	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	4	7	6	8	13	12	35	0	0	1	0	0	0	0
83	IT2016/091	11700216091	ANWESHA SAHA	7	10	8	12	19	18	56	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	6	10	8	11	18	17	56	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	7	10	8	12	19	18	56	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	8	11	9	13	21	20	55	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	8	11	9	13	21	20	65	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	6	9	7	11	17	16	56	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	4	6	5	8	12	11	56	0	0	0	0	0	0	1
90	IT2016/044	11700216098	AMAN JAISWAL	4	6	5	8	12	11	56	0	0	0	0	0	0	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	4	6	5	8	12	11	56	0	0	0	0	0	0	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	6	9	7	11	17	16	55	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	6	10	8	11	18	17	56	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	6	9	7	11	17	16	56	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	6	7	6	9	14	13	35	1	0	1	1	0	0	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	4	6	5	8	12	11	35	0	0	0	0	0	0	0
97	IT2017/L05	11700217005	DEBALINA MAITI	6	9	7	11	17	16	56	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	6	10	8	11	18	17	55	1	1	1	1	1	1	1

1	75	62	81	76	62	61	76
0	23	36	17	22	36	37	22
CO attn	0.77	0.63	0.83	0.78	0.63	0.62	0.78

Avg Attn	0.709
Attn Level	2

Avg Attn	0.78
Attn Level	2

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Overall CO attainment level: 2

Overall PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.17	1.83	1.33	1.00	0	0	0	0	0	0	1.00	
Overall (Direct) CO attainment level	2	2	2	2	2	2	2	2	2	2	2	2	
Attainment of PO for this course	2.00	1.44	1.22	0.89	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.67	**0.57**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	1.50	1.17	
Overall (Direct) CO attainment level	2	2	2	
Attainment of PSO for this course	2	1.00	0.78	**1.50**

Mapping of CO with PO and PSO of Values & Ethics in Profession (Paper code: HU301)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	1	-	3	3	3	2	2	-	2
CO2	-	3	3	3	2	3	3	3	2	2	-	3
CO3	2	3	3	2	3	3	3	3	2	2	3	-
CO4	1	2	2	2	-	3	3	3	2	2	3	-
CO5	-	2	2	2	-	3	3	3	2	2	-	-
CO6	3	2	2	2	-	3	3	3	2	2	-	3
AVERAGE	2.25	2.33	2.17	2.00	2.50	3.00	3.00	3.00	2.00	2.00	3.00	2.67
Average =sum/ number of entry												

Table 2

	PSO1	PSO2	PSO3
CO1	3	1	1
CO2	-	1	1
CO3	2	2	1
CO4	1	3	1
CO5	-	3	-
CO6	3	3	-
AVERAGE	2.25	2.17	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

Sl No	Class Roll	Univ Roll	Name		ALL CA's CA1/CA2/CA3/CA4						Univ. Exam	Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
				Marks Distribution	10	15	25	15	10	25	100							
				Target Level	80%						60%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		8	13	21	12	8	19	75	1	1	1	1	1	0	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	11	19	11	8	19	75	0	0	0	0	1	0	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		7	10	19	13	7	19	65	0	0	0	1	0	0	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		8	12	23	13	9	22	75	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	11	22	12	9	21	85	1	0	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		8	13	21	13	9	22	75	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	13	21	13	7	21	75	0	1	1	1	0	1	1
8	IT2016/081	11700216013	SWETA BOSE		8	14	23	15	8	24	75	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		9	13	24	14	9	23	75	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		9	12	18	12	10	19	65	1	1	0	1	1	0	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		8	13	23	14	9	24	75	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		7	14	23	13	10	23	65	0	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		6	14	19	12	8	19	75	0	1	0	1	1	0	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		7	13	19	12	8	19	75	0	1	0	1	1	0	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	13	24	14	9	23	75	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	12	19	13	10	19	65	1	1	0	1	1	0	1
17	IT2016/038	11700216022	SOMA ROY		8	13	24	15	9	23	75	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		7	14	19	14	8	21	75	0	1	0	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		10	13	24	15	9	24	65	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		9	13	22	14	8	23	65	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	12	19	13	7	21	75	1	1	0	1	0	1	1
22	IT2016/049	11700216027	SHREYA VATS		8	15	23	15	9	24	85	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		8	14	24	14	9	24	65	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		10	14	23	14	10	24	85	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		9	14	19	14	8	23	65	1	1	0	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		10	13	23	13	8	23	75	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		9	12	21	13	8	22	75	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		8	13	19	14	9	23	75	1	1	0	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		9	12	21	12	10	19	65	1	1	1	1	1	0	1
30	IT2016/002	11700216035	RONAK BARMAN		10	12	19	14	8	22	65	1	1	0	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		9	14	23	13	10	24	75	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		9	13	23	13	9	23	75	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		8	14	23	13	9	22	75	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		9	14	23	14	10	23	85	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		8	15	24	15	9	25	75	1	1	1	1	1	1	1

36	IT2016/069	11700216041	RAJARSHI DAS	9	13	19	12	9	3	75	1	1	0	1	1	0	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	15	25	15	10	25	75	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	14	24	14	9	23	85	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	9	12	19	11	10	21	85	1	1	0	0	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	8	11	19	13	7	21	85	1	0	0	1	0	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	9	14	23	14	9	23	75	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	5	10	16	11	9	17	45	0	0	0	0	1	0	0
43	IT2016/093	11700216048	PRITAM MANNA	7	9	18	10	8	21	45	0	0	0	0	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	19	13	9	22	75	1	1	0	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	14	21	12	9	23	65	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	7	13	24	15	10	25	65	0	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	6	12	24	15	9	25	65	0	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	23	14	9	23	65	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	7	7	16	11	10	18	55	0	0	0	0	1	0	0
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	13	23	13	10	23	65	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	9	13	21	13	9	22	65	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	8	14	23	13	10	23	65	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	6	11	19	11	9	19	55	0	0	0	0	1	0	0
54	IT2016/045	11700216060	KUMARI RIYA	6	14	24	14	9	24	65	0	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	8	13	23	13	10	23	65	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	5	12	19	14	6	19	55	0	1	0	1	0	0	0
57	IT2016/073	11700216063	KAVERI SAHA	8	14	19	12	10	22	65	1	1	0	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	12	19	12	8	21	65	1	1	0	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	9	12	21	12	9	22	65	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	13	8	23	75	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	13	23	13	9	23	65	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	14	23	13	8	24	65	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	13	23	13	8	22	65	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	13	21	11	9	22	75	1	1	1	0	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	12	20	11	9	19	75	0	1	1	0	1	0	1
66	IT2016/043	11700216072	DEVESH DUGAR	8	14	22	13	9	23	65	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	12	20	13	8	21	65	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	6	12	21	13	8	21	55	0	1	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	9	12	22	12	8	21	65	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	9	11	20	12	9	19	75	1	0	1	1	1	0	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	12	22	13	9	23	75	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	11	19	12	9	21	75	1	0	0	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	8	13	22	13	10	22	75	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	9	14	23	13	10	23	65	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	14	22	13	10	23	55	1	1	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	9	12	19	13	6	19	55	1	1	0	1	0	0	0
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	14	23	14	9	23	85	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	13	24	14	10	24	65	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	8	13	23	13	9	23	65	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	12	19	12	8	19	65	1	1	0	1	1	0	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	9	13	19	12	8	19	55	1	1	0	1	1	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	13	22	13	8	22	65	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	6	12	19	11	9	19	55	0	1	0	0	1	0	0
84	IT2016/012	11700216092	ANUMITA SAHA	8	13	19	12	9	21	75	1	1	0	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	9	12	22	13	9	23	75	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	7	13	19	13	7	21	75	0	1	0	1	0	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	11	19	13	7	22	85	1	0	0	1	0	1	1
88	IT2016/074	11700216096	AMIT KUMAR	9	13	22	13	9	23	65	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	8	12	19	13	8	19	65	1	1	0	1	1	0	1
90	IT2016/044	11700216098	AMAN JAISWAL	7	13	22	14	9	21	75	0	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	8	13	19	12	9	23	65	1	1	0	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	9	13	22	14	9	23	65	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	7	14	23	13	8	23	55	0	1	1	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	7	13	19	12	9	19	65	0	1	0	1	1	0	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	9	11	22	14	8	23	55	1	0	1	1	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	6	11	14	11	7	22	45	0	0	0	0	0	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	7	12	19	14	8	22	55	0	1	0	1	1	1	0
98	IT2017/L04	11700217006	ANWESHA DEY	7	12	21	14	7	20	55	0	1	1	1	0	1	0

1	73	85	63	88	88	77	83
0	25	13	35	10	10	21	15
CO attn	0.74	0.87	0.64	0.90	0.90	0.79	**0.85**

Avg Attn	**0.806**
Attn Level	**3**

Avg Attn	**0.85**
Attn Level	**3**

Overall Course Outcome Attainment													
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)													
Direct CO attainment level	3												
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	2.25	2.33	2.17	2.00	2.50	3.00	3.00	3.00	2.00	2.00	3.00	2.67	
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	2.25	2.33	2.17	2.00	2.50	3.00	3.00	3.00	2.00	2.00	3.00	2.67	**2.49**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.25	2.17	1.00	
Overall(Direct) CO attainment level	3	3.00	3	
Attainment of PSO for this course	2.25	2.17	1.00	**1.81**

Mapping of CO with PO and PSO of Physics-2 (Paper code: PH301)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	0	-	-	-	-	-	-	-	-
CO2	1	3	2	0	-	-	-	-	-	-	-	-
CO3	3	2	1	1	-	-	-	-	-	-	-	-
CO4	1	3	2	1	-	-	-	-	-	-	-	-
CO5	1	3	2	2	-	-	-	-	-	-	-	-
CO6	0	1	3	2	-	-	-	-	-	-	-	-
AVERAGE	1.50	2.33	1.83	1.00	0	0	0	0	0	0	0	0
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	2	-
CO2	2	1	-
CO3	2	1	-
CO4	2	2	-
CO5	1	-	-
CO6	-	-	-
AVERAGE	2.00	1.50	0

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's CA1/CA2/CA3/CA4						Univ. Exam	Course Outcome Attainment with target in %						
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
			Marks Distribution	10	15	25	15	10	25	100							
Sl No	Class Roll	Univ Roll	Name	Target Level	70%						55%	70%					
1	IT2016/034	11700216006	YASH AGARWAL		8	13	23	14	9	21	75	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		8	14	23	12	8	22	75	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		8	12	22	13	8	20	55	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	15	25	14	9	25	85	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		7	11	22	12	9	21	55	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		8	13	21	13	9	20	45	1	1	1	1	1	1	0
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		8	13	21	13	8	21	55	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		9	14	23	15	8	24	55	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		10	13	24	14	9	23	75	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		9	12	21	12	10	22	65	1	1	1	1	1	1	1

11	IT2016/013	11700216016	SUSTHIT BISWAS	9	13	23	14	9	24	65	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR	10	14	23	13	10	23	75	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR	6	14	20	12	8	20	45	0	1	1	1	1	1	0
14	IT2016/094	11700216019	SUBHOJEET BHADURI	8	13	23	12	8	23	75	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	9	13	24	14	9	23	55	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	9	14	23	13	10	24	55	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY	10	13	24	15	9	23	55	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	7	14	20	14	8	21	45	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI	4	10	15	10	9	15	35	0	0	0	0	1	0	0
20	IT2016/031	11700216025	SHUBHA GAYEN	9	13	22	14	8	23	45	1	1	1	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA	10	14	23	13	8	24	75	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	9	15	23	15	9	24	55	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	10	13	21	14	9	20	45	1	1	1	1	1	1	0
24	IT2016/021	11700216029	SHASHANK ROY	10	14	23	14	10	24	65	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	5	10	20	11	8	16	35	0	0	1	1	1	0	0
26	IT2016/046	11700216031	SAYON MOULIK	10	13	23	13	8	23	65	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	9	12	21	13	8	22	65	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	8	13	22	14	9	23	85	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	9	12	21	12	10	22	55	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	10	12	22	14	8	22	45	1	1	1	1	1	1	0
31	IT2016/036	11700216036	ROHIT SINGH	9	14	23	13	10	24	55	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	10	13	23	13	10	23	75	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	8	14	23	13	9	22	55	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	10	14	23	14	10	23	75	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	9	15	24	15	9	25	55	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	10	13	22	12	10	24	75	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	15	25	15	10	25	75	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	10	14	24	14	9	25	85	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	9	12	20	11	10	21	55	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	8	11	20	14	10	24	75	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	10	14	23	14	9	23	75	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	13	24	14	9	24	65	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	13	21	14	8	22	55	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	22	13	9	22	55	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	10	14	24	14	10	25	85	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	9	13	24	15	10	25	55	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	9	12	24	15	9	25	75	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	23	14	9	23	55	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	14	23	14	10	23	45	1	1	1	1	1	1	0
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	13	23	13	10	23	45	1	1	1	1	1	1	0
51	IT2016/062	11700216056	MD MUZAMMIL	9	13	23	13	9	24	75	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	9	14	23	13	10	23	55	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	9	11	20	11	9	20	65	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	10	14	24	14	9	24	75	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	23	13	10	23	55	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	12	20	14	6	20	55	1	1	1	1	0	1	1
57	IT2016/073	11700216063	KAVERI SAHA	8	14	22	12	10	22	55	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	12	20	12	8	21	45	1	1	1	1	1	1	0
59	IT2016/007	11700216065	HOZAIFA WAHID	10	15	25	15	10	25	95	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	13	10	23	75	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	13	23	13	9	23	45	1	1	1	1	1	1	0
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	4	6	14	10	6	13	35	0	0	0	0	0	0	0
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	13	23	13	8	22	65	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	13	21	11	9	22	65	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	10	15	24	14	9	24	85	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	8	14	22	13	9	23	65	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	15	25	15	10	25	95	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	8	12	21	13	8	21	65	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	9	12	22	12	8	21	55	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	9	14	22	12	9	23	75	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	12	22	13	9	23	65	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	11	20	12	9	21	65	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	8	13	22	13	10	22	45	1	1	1	1	1	1	0
74	IT2016/016	11700216081	AVIJIT DAS	9	14	23	13	10	23	55	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	14	22	13	10	23	65	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	9	12	20	13	6	20	65	1	1	1	1	0	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	14	23	14	9	23	85	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	13	24	14	10	24	55	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	8	13	23	13	9	23	65	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	12	20	12	8	20	55	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	4	7	14	8	4	15	35	0	0	0	0	0	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	5	8	13	7	5	13	35	0	0	0	0	0	0	0
83	IT2016/091	11700216091	ANWESHA SAHA	8	12	20	11	9	20	55	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	8	13	20	12	9	21	45	1	1	1	1	1	1	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	9	12	22	13	9	23	65	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	7	13	20	13	7	21	55	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	14	24	13	9	24	85	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	4	7	15	7	6	16	35	0	0	0	0	0	0	0
89	IT2016/051	11700216097	AMAN KUMAR	8	12	20	13	8	20	65	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	9	13	22	14	9	23	75	1	1	1	1	1	1	1

Overall Course Outcome Attainment													
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)													
Direct CO attainment level	2.5												
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	1.50	2.33	1.83	1.00	0	0	0	0	0	0	0	0	
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Attainment of PO for this course	1.25	1.94	1.53	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.46**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.00	1.50	0	
Overall (Direct) CO attainment level	2.5	2.50	2.5	
Attainment of PSO for this course	1.67	1.25	0.00	**0.97**

Mapping of CO with PO and PSO of Analog & Digital Electronics (Paper code: CS391)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1	TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	CO1	3	3	3	1	1	-	-	-	-	-	-	1
	CO2	3	3	3	2	3	-	-	2	-	-	-	2
	CO3	3	3	3	2	3	-	-	2	1	-	-	2
	CO4	3	3	3	2	3	-	-	2	-	-	1	2
	CO5	3	3	3	2	3	-	-	1	1	-	1	2
	CO6	3	3	2	1	1	-	-	-	1	-	-	1
	AVERAGE	3.00	3.00	2.83	1.67	2.33	0	0	1.75	1.00	0	1.00	1.67
	Average =sum/ number of entry												

Table 2	TABLE 2	PSO1	PSO2	PSO3
	CO1	3	3	2
	CO2	3	1	3
	CO3	3	2	3
	CO4	3	3	3
	CO5	3	3	2
	CO6	3	3	1
	AVERAGE	3.00	2.50	2.33

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's						Univ. Exam	Course Outcome Attainment with target in %						
					PCA1			PCA2										
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		15	14	10	14	15	9	50	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		15	15	10	15	15	10	56	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		13	13	9	12	13	8	37	1	1	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		15	15	10	15	15	10	56	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		15	13	9	14	15	9	50	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		15	14	8	15	14	10	50	1	1	1	1	1	1	1

7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY	13	13	8	14	13	9	50	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE	15	15	9	14	15	10	50	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY	15	15	9	15	15	10	56	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE	13	12	8	12	12	8	44	1	1	1	1	1	1	0
11	IT2016/013	11700216016	SUSTHIT BISWAS	15	13	8	14	15	8	50	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR	15	15	10	15	15	10	56	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR	15	15	10	14	15	10	56	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI	15	14	9	14	15	10	50	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	14	15	10	15	14	9	50	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	15	13	9	14	15	9	50	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY	15	14	9	15	14	8	50	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	15	14	8	12	12	8	44	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI	14	15	10	15	15	10	56	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN	14	12	8	15	14	7	37	1	1	1	1	1	0	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA	25	12	8	14	13	8	50	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	14	15	9	15	14	8	50	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	15	14	9	14	15	10	50	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	14	14	10	15	14	10	50	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	13	13	10	14	12	9	44	1	1	1	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK	15	14	9	15	14	10	56	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	13	12	8	13	12	8	50	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	15	15	10	15	15	10	56	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	14	14	9	13	14	9	44	1	1	1	1	1	1	0
30	IT2016/002	11700216035	RONAK BARMAN	14	15	9	15	12	9	44	1	1	1	1	1	1	0
31	IT2016/036	11700216036	ROHIT SINGH	14	13	8	15	15	9	44	1	1	1	1	1	1	0
32	IT2016/048	11700216037	RITWIKA BANERJEE	15	14	10	15	15	10	56	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	15	14	9	14	14	8	44	1	1	1	1	1	1	0
34	IT2016/004	11700216039	RIBHU GHOSH	15	15	10	15	15	10	56	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	15	14	8	14	15	10	50	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	15	15	9	15	15	10	56	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	15	15	10	15	15	10	56	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	14	15	10	14	15	10	50	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	14	14	10	12	14	8	50	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	15	15	10	15	15	10	56	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	15	15	10	15	15	10	56	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	12	14	9	12	13	7	44	1	1	1	1	1	0	0
43	IT2016/093	11700216048	PRITAM MANNA	12	15	10	13	14	9	50	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	15	14	10	15	15	10	56	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	14	15	9	14	14	10	50	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	12	12	9	13	14	9	37	1	1	1	1	1	1	0
47	IT2016/010	11700216052	PIYUSH KUMAR	15	14	10	15	15	10	56	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	14	13	10	13	14	9	50	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	12	13	8	12	14	9	44	1	1	1	1	1	1	0
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	15	15	10	14	15	10	56	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	15	15	10	15	15	10	56	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	12	14	9	13	12	9	50	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	13	13	9	13	14	9	50	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	14	15	10	15	13	9	44	1	1	1	1	1	1	0
55	IT2016/023	11700216061	KUMAR ANUBHAV	14	15	10	15	15	10	56	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	13	15	10	15	15	10	56	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	15	14	10	15	13	9	50	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	15	15	10	14	13	10	50	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	15	15	10	15	15	10	56	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	14	15	9	14	15	10	50	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	15	14	9	15	15	9	50	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	14	15	10	12	14	9	50	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	15	15	10	14	15	10	56	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	15	15	10	15	15	10	56	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	15	15	10	15	15	10	50	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	11	12	8	13	12	8	37	0	1	1	1	1	1	0
67	IT2016/060	11700216073	DAMINI KUMARI	15	15	10	15	14	10	56	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	15	14	9	13	15	10	44	1	1	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	12	13	8	14	15	8	50	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	15	15	10	15	15	10	56	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	15	15	10	15	15	10	56	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	12	12	9	14	14	8	37	1	1	1	1	1	1	0
73	IT2016/090	11700216080	AVIK DATTA	15	13	8	14	15	8	50	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	14	15	10	14	14	10	50	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	14	14	8	14	14	8	37	1	1	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	13	12	8	13	12	8	44	1	1	1	1	1	1	0
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	15	14	10	15	15	10	56	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	14	15	10	13	14	8	44	1	1	1	1	1	1	0
79	IT2016/017	11700216086	ARNAB DAS	15	12	9	14	15	9	50	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	12	13	10	14	14	8	50	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	14	10	7	12	11	7	33	1	0	0	1	0	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	14	14	9	13	12	8	50	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	15	15	10	15	15	10	56	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	14	14	10	14	12	8	50	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	15	14	10	14	15	9	50	1	1	1	1	1	1	1

86	IT2016/084	11700216094	ANKITA SAHA	15	15	10	15	15	10	56	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	15	15	10	15	15	10	56	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	14	15	9	13	15	9	50	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	13	14	8	14	15	9	50	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	15	13	9	13	12	9	44	1	1	1	1	1	1	0
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	14	15	10	15	15	10	56	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	12	12	10	14	13	10	50	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	13	14	10	14	13	10	44	1	1	1	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	15	14	9	13	15	10	50	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	14	14	10	13	15	8	50	1	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	12	13	9	11	14	9	44	1	1	1	0	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	13	14	8	14	14	8	44	1	1	1	1	1	1	0
98	IT2017/L04	11700217006	ANWESHA DEY	13	15	8	14	13	8	44	1	1	1	1	1	1	0
										1	97	97	97	97	97	95	73
										0	1	1	1	1	1	3	25
										CO attn	0.99	0.99	0.99	0.99	0.99	0.97	0.74

Avg Attn	0.99
Attn Level	3

Avg Attn	0.74
Attn Level	2

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	2.4

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	3.00	2.83	1.67	2.33	0	0	1.75	1.00	0	1.00	1.67	
Overall(Direct) CO attainment level	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
Attainment of PO for this course	2.40	2.40	2.27	1.33	1.87	0.00	0.00	1.40	0.80	0.00	0.80	1.33	**1.22**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	2.5	2.33	
Overall(Direct) CO attainment level	2.40	2.40	2.40	
Attainment of PSO for this course	2.40	2.00	**1.87**	**2.09**

Mapping of CO with PO and PSO of Data Structure and Algorithms Lab (Paper code: CS392)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	2	-	-	-	-	-	-	-	2
CO2	3	3	2	2	-	-	2	-	3	2	-	1
CO3	3	-	2	-	3	-	1	-	-	1	-	-
CO4	3	-	2	3	3	1	-	-	3	-	-	-
CO5	3	2	2	3	-	2	2	1	3	1	-	-
CO6	3	3	3	-	3	2	-	1	3	-	2	-
AVERAGE	**3.00**	**2.75**	**2.17**	**2.50**	**3.00**	**1.67**	**1.67**	**1.00**	**3.00**	**1.33**	**2.00**	**1.50**
Average = Sum/ Number of entries												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	-	-	-
CO2	2	-	3
CO3	-	2	-
CO4	-	2	-
CO5	2	3	3
CO6	3	-	3
AVERAGE	**2.33**	**2.33**	**3.00**

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's													
					PCA1			PCA2			Univ. Exam	Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						70%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		12	12	9	13	12	10	44	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		14	15	10	14	14	10	50	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		12	11	9	11	12	9	37	1	0	1	0	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		15	15	10	15	15	10	56	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		9	8	7	8	9	7	27	0	0	0	0	0	0	0
6	IT2016/037	11700216011	TIASHA SARKAR		13	12	9	12	12	10	44	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		12	12	9	11	12	9	37	1	1	1	0	1	1	0
8	IT2016/081	11700216013	SWETA BOSE		14	14	10	14	14	10	50	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		12	12	10	12	12	10	44	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		15	15	10	15	15	10	56	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		14	15	10	14	14	10	50	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		14	14	10	15	15	10	50	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		12	12	9	13	13	9	44	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		15	15	10	15	14	10	50	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		12	13	10	12	13	10	44	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		12	11	9	12	11	8	37	1	0	1	1	0	1	0
17	IT2016/038	11700216022	SOMA ROY		12	12	9	12	11	8	37	1	1	1	1	0	1	0
18	IT2016/058	11700216023	SK MD FARUK		12	11	9	12	11	9	37	1	0	1	1	0	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		12	11	8	11	11	8	37	1	0	1	0	0	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN		10	10	8	10	9	7	33	0	0	1	0	0	0	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		15	14	10	14	14	10	50	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		15	15	10	15	15	10	56	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		11	11	9	11	11	8	37	0	0	1	0	0	1	0
24	IT2016/021	11700216029	SHASHANK ROY		15	15	10	15	15	10	56	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		12	12	9	13	12	9	44	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		15	15	10	15	15	10	56	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		15	15	10	15	15	10	56	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		12	13	10	13	12	9	44	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		12	11	8	12	11	9	37	1	0	1	1	0	1	0
30	IT2016/002	11700216035	RONAK BARMAN		12	12	9	13	13	10	44	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		11	12	8	12	11	9	37	0	1	1	1	0	1	0
32	IT2016/048	11700216037	RITWIKA BANERJEE		15	15	10	15	15	10	56	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		12	12	10	12	12	10	44	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		15	15	10	15	15	10	56	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		15	15	10	15	14	10	50	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		15	15	10	15	15	10	56	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		12	12	9	13	13	10	44	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		12	13	10	12	12	10	44	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		13	12	10	12	13	9	44	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		15	15	10	15	15	10	56	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS		13	13	10	13	13	10	44	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		12	12	9	12	12	9	44	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA		12	12	8	12	11	8	37	1	1	1	1	0	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		15	14	10	14	14	10	50	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY		11	12	8	11	11	9	37	0	1	1	0	0	1	0
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		15	14	10	14	15	10	50	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR		15	15	10	14	15	10	50	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		12	13	10	13	12	10	44	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR		12	11	8	11	12	8	37	1	0	1	0	1	1	0
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		9	9	7	9	9	8	33	0	0	0	0	0	1	0
51	IT2016/062	11700216056	MD MUZAMMIL		13	12	9	13	12	10	44	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR		12	12	10	12	12	10	44	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR		15	15	10	15	15	10	56	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA		14	14	10	15	15	10	50	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV		12	12	9	13	13	9	44	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA		15	15	10	15	15	10	56	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA		12	12	9	13	13	9	44	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY		15	14	10	15	15	10	50	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID		15	15	10	15	15	10	56	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN		15	15	10	15	15	10	56	1	1	1	1	1	1	1

61	IT2016/018	11700216067	HIMANSHU JAISWAL	15	15	10	15	15	10	56	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	12	12	9	12	12	10	44	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	15	15	10	15	15	10	56	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	12	12	10	13	12	9	44	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	12	12	9	13	12	10	44	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	11	12	9	11	12	9	37	0	1	1	0	1	1	0
67	IT2016/060	11700216073	DAMINI KUMARI	15	15	10	15	15	10	56	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	12	11	9	12	12	8	37	1	0	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	15	15	10	15	15	10	56	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	15	15	10	15	15	10	56	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	15	15	10	15	15	10	56	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	12	13	10	12	13	9	44	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	15	15	10	15	15	10	56	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	15	15	10	15	15	10	56	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	9	7	9	10	8	33	0	0	0	0	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	13	12	10	13	13	9	44	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	15	15	10	14	14	10	50	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	15	15	10	15	15	10	56	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	14	15	10	15	14	10	50	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	15	15	10	14	14	10	50	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	11	11	9	11	11	8	37	0	0	1	0	0	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	13	12	10	12	13	9	44	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	13	12	9	12	13	9	44	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	13	12	10	12	12	9	44	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	14	14	10	15	15	10	50	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	15	15	10	15	15	10	56	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	13	13	9	12	12	9	44	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	12	11	9	11	12	8	37	1	0	1	0	1	1	0
89	IT2016/051	11700216097	AMAN KUMAR	15	14	10	14	14	10	50	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	14	15	10	14	15	10	50	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	12	13	9	13	13	10	44	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	15	15	10	15	15	10	56	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	13	12	10	12	13	9	44	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	14	14	10	14	15	10	50	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	12	11	9	11	12	8	37	1	0	1	0	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	9	9	8	9	10	8	33	0	0	1	0	0	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	12	12	10	12	12	10	44	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	12	12	9	12	12	9	44	1	1	1	1	1	1	1

1	88	82	95	83	84	96	76
0	10	16	3	15	14	2	22
CO attn	0.90	0.84	0.97	0.85	0.86	0.98	0.78

Avg Attn	0.90
Attn Level	3

Avg Attn	0.78
Attn Level	2

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	2.4

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.75	2.17	2.50	3.00	1.67	1.67	1.00	3.00	1.33	2.00	1.50	
Overall(Direct) CO attainment level	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
Attainment of PO for this course	2.40	2.20	1.73	2.00	2.40	1.33	1.33	0.80	2.40	1.07	1.60	1.20	**1.71**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.33	2.33	3	
Overall(Direct) CO attainment level	2.4	2.4	2.4	
Attainment of PSO for this course	1.87	1.87	2.40	**2.04**

Mapping of CO with PO and PSO of Computer Organization (Paper code: CS393)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	1	1	-	-	-	2	-	-	1
CO2	3	3	2	1	1	-	-	1	2	-	-	2
CO3	3	3	2	1	1	-	-	1	2	-	-	2
CO4	3	3	2	1	1	-	-	1	2	-	1	2
CO5	3	3	2	2	1	-	-	1	2	-	1	2
CO6	3	3	2	2	1	-	-	1	2	-	-	1
AVERAGE	3.00	2.83	1.83	1.33	1.00	0	0	1.00	2.00	0	1.00	1.67
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	1	-
CO2	3	1	-
CO3	3	1	-
CO4	3	1	-
CO5	3	2	-
CO6	3	2	-
AVERAGE	3.00	1.33	0

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's													
					PCA1				PCA2		Univ. Exam	Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	10	10	10	10	20	20	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		8	9	9	8	17	17	48	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		8	9	9	8	17	17	51	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		6	6	7	6	12	12	37	0	0	0	0	0	0	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	10	10	10	19	20	54	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		7	7	8	7	14	14	48	0	0	1	0	0	0	1
6	IT2016/037	11700216011	TIASHA SARKAR		8	9	9	8	17	17	48	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		9	9	9	9	17	18	48	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		9	9	9	9	17	18	43	1	1	1	1	1	1	0
9	IT2016/028	11700216014	SWARNALI ROY		8	9	8	8	16	17	43	1	1	1	1	1	1	0
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		8	9	9	8	17	17	44	1	1	1	1	1	1	0
11	IT2016/013	11700216016	SUSTHIT BISWAS		9	9	9	9	17	18	43	1	1	1	1	1	1	0
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	10	9	9	19	19	53	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		8	8	8	8	15	16	48	1	1	1	1	0	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		10	10	10	10	19	20	52	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		8	9	9	8	17	17	43	1	1	1	1	1	1	0
16	IT2016/057	11700216021	SREJITA SAHA		9	9	9	9	17	18	44	1	1	1	1	1	1	0
17	IT2016/038	11700216022	SOMA ROY		8	9	9	8	17	17	41	1	1	1	1	1	1	0
18	IT2016/058	11700216023	SK MD FARUK		8	9	8	8	16	17	39	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		8	9	9	8	17	17	43	1	1	1	1	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN		8	9	8	8	16	17	48	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	10	9	9	18	19	48	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		9	9	9	9	17	18	49	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		7	7	8	7	14	14	40	0	0	1	0	0	0	0
24	IT2016/021	11700216029	SHASHANK ROY		8	8	8	8	15	16	43	1	1	1	1	0	1	0
25	IT2016/053	11700216030	SHAHZEB AKHTAR		8	9	8	8	16	17	44	1	1	1	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK		9	10	9	9	18	19	49	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		9	9	9	9	17	18	50	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		8	9	8	8	16	17	43	1	1	1	1	1	1	0
29	IT2016/030	11700216034	SAMRAT HALDER		9	10	9	9	18	19	48	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		8	8	8	8	15	16	48	1	1	1	1	0	1	1

31	IT2016/036	11700216036	ROHIT SINGH	8	9	8	8	16	17	49	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	9	10	9	9	18	19	52	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	8	9	9	8	17	17	48	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	8	9	8	8	16	17	49	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	9	9	9	9	17	18	38	1	1	1	1	1	0
36	IT2016/069	11700216041	RAJARSHI DAS	8	8	8	8	16	16	50	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	9	10	9	9	18	18	48	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	10	9	9	18	18	48	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	8	9	8	8	16	17	49	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	9	9	9	9	17	18	50	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	8	8	8	8	15	16	51	1	1	1	1	0	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	10	9	9	18	18	41	1	1	1	1	1	0
43	IT2016/093	11700216048	PRITAM MANNA	9	9	9	9	17	18	48	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	10	9	9	18	18	48	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	9	9	8	17	17	44	1	1	1	1	1	0
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	6	7	7	7	13	13	38	0	0	0	0	0	0
47	IT2016/010	11700216052	PIYUSH KUMAR	8	9	8	8	16	17	43	1	1	1	1	1	0
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	9	10	9	9	18	19	35	1	1	1	1	1	0
49	IT2016/085	11700216054	PAROMITA PODDAR	9	9	9	9	17	18	41	1	1	1	1	1	0
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	9	10	9	9	18	18	48	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	8	9	9	8	17	17	50	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	9	10	9	9	18	18	48	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	8	9	9	8	17	17	48	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	8	8	8	8	16	16	48	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	7	8	8	8	15	15	48	0	1	1	1	0	0
56	IT2016/076	11700216062	KUMAR ADITYA	9	10	9	9	18	18	49	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	9	10	9	9	18	18	48	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	8	8	8	16	16	44	1	1	1	1	1	0
59	IT2016/007	11700216065	HOZAIFA WAHID	9	10	9	9	18	18	51	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	8	9	9	8	17	17	48	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	8	8	8	8	15	16	48	1	1	1	1	0	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	8	8	8	8	16	16	50	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	10	9	9	19	19	54	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	10	10	10	10	19	20	58	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	9	10	9	9	18	19	52	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	7	7	7	7	14	14	48	0	0	0	0	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	9	10	9	9	18	18	48	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	8	9	8	8	16	17	42	1	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	8	9	8	8	16	17	50	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	9	10	9	9	18	18	57	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	8	8	8	8	16	16	52	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	8	8	8	8	16	16	48	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	8	8	8	8	16	16	49	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	8	9	8	8	16	17	51	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	6	7	7	7	13	13	37	0	0	0	0	0	0
76	IT2016/041	11700216083	ASHISH JAISWAL	9	9	9	9	17	18	48	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	10	9	9	18	19	50	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	8	9	9	8	17	17	48	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	8	8	8	8	16	16	51	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	9	9	8	17	17	49	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	8	8	8	15	16	41	1	1	1	1	0	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	8	9	8	8	16	17	48	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	9	9	9	9	17	18	53	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	8	9	8	8	16	17	53	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	8	9	8	8	16	17	43	1	1	1	1	1	0
86	IT2016/084	11700216094	ANKITA SAHA	9	10	9	9	18	18	50	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	10	10	10	10	19	20	50	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	9	9	9	9	17	18	48	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	8	9	9	8	17	17	49	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	8	9	9	8	17	17	49	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	9	9	9	9	17	18	49	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	9	9	9	9	17	18	42	1	1	1	1	1	0
93	IT2017/L01	11700217001	SUTANUKA DAS	8	8	8	8	15	16	48	1	1	1	1	0	1
94	IT2017/L06	11700217002	SNEHA YADAV	9	10	9	9	18	19	48	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	8	9	8	8	16	17	48	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	8	8	8	8	16	16	41	1	1	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	9	9	9	9	17	18	48	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	9	9	9	9	17	18	48	1	1	1	1	1	1

1	91	92	94	92	84	91	70
0	7	6	4	6	14	7	28
CO attn	0.93	0.94	0.96	0.94	0.86	0.93	0.71

Avg Attn	0.93
Attn Level	3

Avg Attn	0.71
Attn Level	2

Overall Course Outcome Attainment													
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)													
Direct CO attainment level	2.4												
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.83	1.83	1.33	1.00	0	0	1.00	2.00	0	1.00	1.67	
Overall(Direct) CO attainment level	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	
Attainment of PO for this course	2.40	2.27	1.47	1.07	0.80	0.00	0.00	0.80	1.60	0.00	0.80	1.33	1.04

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	1.33	0	
Overall(Direct) CO attainment level	2.40	2.40	2.40	
Attainment of PSO for this course	2.40	1.07	0.00	1.16

Mapping of CO with PO and PSO of Physics-2 (Paper code: PH391)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1	TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	CO1	3	2	1	1	-	-	-	-	-	-	-	-
	CO2	3	2	1	-	-	-	-	-	-	-	-	-
	CO3	3	2	1	-	-	-	-	-	-	-	-	-
	CO4	3	2	1	-	-	-	-	-	-	-	-	-
	CO5	3	1	1	1	-	-	-	-	-	-	-	-
	CO6	3	1	1	1	-	-	-	-	-	-	-	-
	AVERAGE	3.00	1.67	1.00	1.00	0	0	0	0	0	0	0	0
	Average =sum/ number of entry												

Table 2	TABLE 2	PSO1	PSO2	PSO3
	CO1	3	2	-
	CO2	2	1	-
	CO3	2	1	-
	CO4	2	2	-
	CO5	1	-	-
	CO6	-	-	-
	AVERAGE	2.00	1.50	0

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's														
					PCA1			PCA2			Univ. Exam	Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6									
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						60%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		15	14	9	14	15	9	56	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		15	13	8	12	13	9	46	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		12	13	9	12	12	8	26	1	1	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		15	15	9	15	14	9	56	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		14	15	10	14	15	9	46	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		15	14	9	14	14	8	46	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		14	15	8	14	13	9	46	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		15	15	10	14	15	9	56	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		14	13	8	13	14	8	46	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		15	14	9	14	14	9	56	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		12	13	9	12	13	8	36	1	1	1	1	1	1	0
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		11	14	9	13	13	7	26	0	1	1	1	1	0	0
13	IT2016/020	11700216018	SUDHANSHU KUMAR		15	14	9	14	14	8	56	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		15	14	10	14	15	9	56	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		14	15	10	15	14	9	56	1	1	1	1	1	1	1

16	IT2016/057	11700216021	SREJITA SAHA	15	15	9	14	15	9	46	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY	15	14	9	15	14	8	46	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	12	14	8	12	13	8	36	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI	14	13	9	14	13	9	36	1	1	1	1	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN	14	15	8	15	14	8	46	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	13	12	8	12	13	8	46	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	14	15	9	15	14	9	46	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	15	14	9	14	15	9	36	1	1	1	1	1	1	0
24	IT2016/021	11700216029	SHASHANK ROY	14	15	10	15	14	9	46	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	13	14	10	14	13	8	35	1	1	1	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK	15	15	9	15	14	10	56	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	12	12	8	13	12	8	46	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	12	13	8	12	13	8	46	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	13	11	8	12	12	7	46	1	0	1	1	1	0	1
30	IT2016/002	11700216035	RONAK BARMAN	14	13	9	14	13	9	36	1	1	1	1	1	1	0
31	IT2016/036	11700216036	ROHIT SINGH	14	15	8	14	15	10	56	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	15	14	9	14	14	9	46	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	15	14	9	15	14	9	56	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	15	15	10	15	15	10	56	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	15	14	8	14	15	10	46	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	15	14	9	14	15	9	56	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	14	15	8	15	14	9	46	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	14	15	9	14	15	9	56	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	15	14	9	14	15	9	46	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	12	11	8	11	12	6	56	1	0	1	0	1	0	1
41	IT2016/092	11700216046	PRIYANKA DAS	14	13	8	14	14	9	36	1	1	1	1	1	1	0
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	14	14	10	15	14	10	46	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	15	15	9	14	14	9	46	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	13	14	9	13	13	9	36	1	1	1	1	1	1	0
45	IT2016/070	11700216050	PRASENJIT DEY	12	14	8	14	13	9	46	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	14	15	9	14	14	9	46	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	15	15	9	13	14	9	56	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	14	14	8	14	13	9	46	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	14	14	8	14	13	9	46	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	15	15	9	14	14	10	56	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	15	15	9	15	14	9	56	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	14	14	8	13	14	8	46	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	15	15	9	13	15	8	56	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	14	15	10	15	14	10	46	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	14	15	9	14	14	9	56	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	13	12	8	11	12	9	56	1	1	1	0	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	15	14	9	15	14	10	46	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	13	14	8	14	13	9	46	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	13	14	8	13	11	10	56	1	1	1	1	0	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	14	15	9	14	15	9	46	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	15	14	9	15	15	9	46	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	14	15	9	15	14	9	56	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	14	15	10	14	15	9	56	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	15	14	8	13	14	9	56	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	13	15	8	14	15	9	56	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	11	15	8	15	13	8	56	0	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	14	12	8	13	14	9	56	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	12	12	9	11	13	9	36	1	1	1	0	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	12	13	8	13	13	8	56	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	14	15	9	14	15	8	46	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	14	15	9	14	15	10	46	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	14	15	9	14	14	9	46	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	15	15	9	14	15	9	56	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	12	13	9	13	12	8	36	1	1	1	1	1	1	0
75	IT2016/032	11700216082	ATANU GHARA	14	15	9	14	14	9	46	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	13	10	8	13	12	7	46	1	0	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	15	14	10	15	14	9	56	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	14	15	10	13	14	9	46	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	15	14	9	14	15	9	46	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	13	13	8	13	12	9	46	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	14	15	10	15	14	9	16	1	1	1	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	11	12	9	11	12	7	26	0	1	1	0	1	0	0
83	IT2016/091	11700216091	ANWESHA SAHA	12	13	8	13	13	8	46	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	12	11	8	12	10	7	36	1	0	1	1	0	0	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	12	13	9	13	13	8	46	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	12	13	9	13	12	8	46	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	15	13	8	12	12	9	56	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	15	12	8	13	13	8	56	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	12	12	9	14	13	8	46	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	15	13	9	15	13	9	46	1	1	1	1	1	1	1

91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	14	15	8	13	12	8	46	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	12	12	8	12	13	9	46	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	13	12	9	13	13	8	46	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	14	13	8	13	14	9	46	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	13	12	9	13	13	8	46	1	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	12	12	8	12	13	8	36	1	1	1	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	12	12	8	12	13	8	56	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	13	12	8	13	13	8	46	1	1	1	1	1	1	1

1	95	94	98	94	96	93	82
0	3	4	0	4	2	5	16
CO attn	0.97	0.96	1.00	0.96	0.98	0.95	**0.84**

Avg Attn	**0.97**
Attn Level	**3**

Avg Attn	**0.84**
Attn Level	**3**

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	**3**

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	1.67	1.00	1.00	0	0	0	0	0	0	0	0	
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	3.00	1.67	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.56**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.00	1.5	0	
Overall(Direct) CO attainment level	3.00	3.00	3.00	
Attainment of PSO for this course	2.00	1.50	0.00	**1.17**

Attainment Details of Semester IV

Mapping of CO with PO and PSO of Communication Engg & Coding Theory (Paper code: CS401)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	-	2	2	3	2	3	-	2
CO2	3	2	1	1	2	-	-	3	3	1	1	3
CO3	3	2	3	1	1	-	-	2	3	2	2	2
CO4	3	3	3	2	-	-	-	3	3	2	2	2
CO5	3	2	1	1	3	-	-	2	3	1	2	2
CO6	3	2	2	1	-	-	-	2	2	-	2	1
AVERAGE	3.00	2.00	1.83	1.17	2.00	2.00	2.00	2.50	2.67	1.80	1.80	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	2
CO2	3	2	3
CO3	3	2	3
CO4	3	2	3
CO5	3	2	2
CO6	3	2	1
AVERAGE	3.00	2.17	2.33

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4							Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						55%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		8	14	22	14	9	23	64	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		9	13	22	14	9	22	67	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		7	9	17	10	7	18	32	0	0	0	0	0	0	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		9	15	25	15	10	25	78	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	14	23	14	10	23	79	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		9	14	21	14	9	21	68	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		8	14	22	15	8	21	65	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		7	12	20	12	8	22	57	0	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		8	13	20	13	8	23	58	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		9	15	22	15	9	25	68	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		9	15	24	15	9	23	78	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	14	21	13	9	23	65	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		8	12	22	12	8	20	56	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		8	13	21	12	8	20	57	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		8	13	20	12	9	23	68	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		7	11	18	12	8	22	47	0	0	0	1	1	1	0
17	IT2016/038	11700216022	SOMA ROY		8	12	21	12	8	20	55	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		7	12	18	11	7	21	45	0	1	0	0	0	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		6	11	14	10	6	18	32	0	0	0	0	0	0	0
20	IT2016/031	11700216025	SHUBHA GAYEN		7	12	22	12	8	22	47	0	1	1	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		10	14	24	14	9	22	78	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		8	13	21	13	8	20	56	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		9	12	22	13	8	21	68	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		9	14	21	13	8	22	64	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		7	13	14	9	7	18	43	0	1	0	0	0	0	0
26	IT2016/046	11700216031	SAYON MOULIK		8	15	22	13	8	20	69	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		9	15	22	14	9	21	68	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		10	15	23	14	9	23	69	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		10	12	23	13	9	23	69	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		9	12	22	12	7	18	48	1	1	1	1	0	0	0
31	IT2016/036	11700216036	ROHIT SINGH		9	13	21	12	8	21	59	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		10	14	24	14	10	22	78	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		10	15	25	15	10	21	76	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		10	15	25	15	10	24	98	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		9	14	22	14	9	23	68	1	1	1	1	1	1	1

36	IT2016/069	11700216041	RAJARSHI DAS	8	15	24	13	9	22	76	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	8	14	23	12	8	21	68	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	13	24	13	10	23	76	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	8	12	23	14	9	23	68	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	9	15	24	15	9	24	74	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	8	14	24	14	10	23	79	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	8	12	22	12	8	22	58	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	7	11	18	10	7	18	35	0	0	0	0	0	0	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	8	14	23	14	9	21	76	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	13	22	12	8	22	53	1	1	1	1	1	1	0
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	8	13	21	12	8	22	58	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	8	14	21	12	8	20	58	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	9	15	22	13	9	21	59	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	14	22	14	9	21	69	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	8	14	23	15	9	25	68	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	9	13	21	13	9	21	66	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	9	12	22	13	8	21	68	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	8	14	21	14	8	21	57	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	9	14	22	13	9	22	62	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	9	14	22	12	9	23	68	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	12	20	12	8	20	56	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	7	12	20	13	8	22	57	0	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	12	21	13	8	22	58	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	9	15	21	14	9	22	74	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	14	24	12	9	24	79	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	7	10	18	9	8	20	47	0	0	0	0	1	1	0
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	8	13	18	13	8	20	46	1	1	0	1	1	1	0
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	14	21	13	9	22	65	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	15	25	15	10	23	79	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	10	18	10	8	20	0	0	0	0	0	1	1	0
66	IT2016/043	11700216072	DEVESH DUGAR	9	14	22	13	9	21	67	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	9	13	22	13	9	22	67	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	8	11	18	11	8	17	47	1	0	0	0	1	0	0
69	IT2016/040	11700216076	BIKRAM MITRA	8	12	22	13	9	19	58	1	1	1	1	1	0	1
70	IT2016/009	11700216077	BIDISHA MONDAL	8	12	18	12	9	21	52	1	1	0	1	1	1	0
71	IT2016/095	11700216078	AYUSH PARWAL	9	14	24	14	9	24	68	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	13	23	15	9	23	69	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	7	11	16	11	8	17	36	0	0	0	0	1	0	0
74	IT2016/016	11700216081	AVIJIT DAS	8	12	21	12	8	22	47	1	1	1	1	1	1	0
75	IT2016/032	11700216082	ATANU GHARA	8	12	20	11	9	22	45	1	1	1	0	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	9	13	23	12	8	22	63	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	14	22	14	8	24	75	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	8	12	21	14	9	23	63	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	7	12	21	12	8	21	47	0	1	1	1	1	1	0
80	IT2016/054	11700216087	ARIHANT RAJ	8	15	24	15	9	24	78	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	7	11	17	11	7	18	36	0	0	0	0	0	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	7	12	17	12	8	20	47	0	1	0	1	1	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	7	12	19	12	9	19	45	0	1	0	1	1	0	0
84	IT2016/012	11700216092	ANUMITA SAHA	8	13	22	12	8	21	56	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	9	14	22	14	9	22	64	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	8	12	23	14	9	22	64	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	8	14	23	14	8	24	69	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	8	13	22	12	8	22	67	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	14	21	13	9	23	72	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	9	12	21	12	9	22	67	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	8	14	23	13	9	23	79	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	12	20	12	8	22	57	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	8	13	21	12	8	22	59	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	9	12	21	14	9	24	69	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	7	12	18	11	7	17	47	0	1	0	0	0	0	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	8	12	21	12	8	18	58	1	1	1	1	1	0	1
97	IT2017/L05	11700217005	DEBALINA MAITI	8	14	23	15	9	23	79	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	9	12	22	12	9	21	68	1	1	1	1	1	1	1

1	81	89	82	86	90	86	76
0	17	9	16	12	8	12	22
CO attn	0.83	0.91	0.84	0.88	0.92	0.88	0.78

Avg Attn	0.87
Attn Level	3

Avg Attn	0.78
Attn Level	2

Overall Course Outcome Attainment													
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)													
Direct CO attainment level			2.5										
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.00	1.83	1.17	2.00	2.00	2.00	2.50	2.67	1.80	1.80	2.00	
Overall(Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Attainment of PO for this course	2.50	1.67	1.53	0.97	1.67	1.67	1.67	2.08	2.22	1.50	1.50	1.67	**1.72**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	2.17	2.33	
Overall(Direct) CO attainment level	2.50	2.50	2.50	
Attainment of PSO for this course	2.50	1.81	1.94	**2.08**

Mapping of CO with PO and PSO of Formal Language & Automata Theory (Paper code: CS-402)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	1	-	-	-	-	-	-	-	-	1
CO2	2	2	2	-	-	-	-	-	-	-	-	1
CO3	2	2	2	-	-	-	-	-	-	-	-	1
CO4	2	2	2	-	-	-	-	-	-	-	-	2
CO5	2	2	2	-	-	-	-	-	-	-	-	1
CO6	2	2	1	-	-	-	-	-	-	-	-	1
AVERAGE	1.83	2.00	1.67	0	0	0	0	0	0	0	0	1.17
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	2	1
CO2	1	1	2
CO3	1	1	2
CO4	1	2	1
CO5	1	1	2
CO6	1	1	1
AVERAGE	1.00	1.33	1.50

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
				Course Outcomes	CA1/CA2/CA3/CA4							Course Outcome Attainment with target in %						
				Marks Distribution	15	25	15	15	15	15	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	60%						50%	60%						
1	IT2016/034	11700216006	YASH AGARWAL		9	19	11	12	9	9	55	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		10	18	12	9	9	9	55	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		13	21	12	10	11	10	65	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		12	21	14	15	12	13	75	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		11	21	12	10	11	10	65	1	1	1	1	1	1	1

6	IT2016/037	11700216011	TIASHA SARKAR	11	20	12	12	12	13	65	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY	12	19	11	12	11	11	65	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE	11	15	9	10	12	10	55	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY	9	16	11	10	9	9	55	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE	13	17	11	11	11	11	65	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS	10	14	11	11	10	12	55	1	0	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR	11	20	12	10	11	13	65	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR	8	16	10	8	9	10	45	0	1	1	0	1	1	0
14	IT2016/094	11700216019	SUBHOJEET BHADURI	10	23	11	12	11	11	65	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	13	20	11	12	13	13	65	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	8	13	9	8	10	10	45	0	0	1	0	1	1	0
17	IT2016/038	11700216022	SOMA ROY	12	19	10	10	10	12	55	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	9	12	9	10	8	10	45	1	0	1	1	0	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI	8	10	9	6	9	8	35	0	0	1	0	1	0	0
20	IT2016/031	11700216025	SHUBHA GAYEN	9	14	8	9	7	10	45	1	0	0	1	0	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA	10	18	12	13	11	11	65	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	14	20	12	13	14	15	75	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	12	19	10	12	11	12	65	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	12	19	12	9	12	11	55	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	9	20	12	12	9	12	55	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	13	20	15	12	12	12	75	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	12	19	13	12	10	12	65	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	11	16	9	9	9	10	55	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	8	18	9	8	10	9	45	0	1	1	0	1	1	0
30	IT2016/002	11700216035	RONAK BARMAN	10	15	8	8	8	9	45	1	1	0	0	0	1	0
31	IT2016/036	11700216036	ROHIT SINGH	10	17	9	12	10	9	55	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	11	23	11	10	13	11	65	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	10	12	10	9	9	9	45	1	0	1	1	1	1	0
34	IT2016/004	11700216039	RIBHU GHOSH	12	24	13	14	12	12	75	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	7	14	9	9	9	8	45	0	0	1	1	1	0	0
36	IT2016/069	11700216041	RAJARSHI DAS	13	19	12	13	15	12	75	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	11	21	13	10	12	11	65	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	14	23	15	14	12	13	75	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	14	21	13	15	13	14	75	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	15	25	15	14	14	15	85	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	12	25	15	13	14	13	75	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	15	22	12	14	13	15	75	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	7	15	9	9	9	8	45	0	1	1	1	1	0	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	12	23	13	11	13	11	65	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	12	23	10	12	11	12	65	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	11	23	10	11	12	12	65	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	12	17	12	12	10	12	65	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	9	15	12	11	9	11	55	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	12	17	11	10	10	10	55	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	19	10	12	12	12	65	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	12	22	13	13	12	14	75	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	11	22	12	11	11	10	65	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	10	20	9	12	11	9	55	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	14	19	12	15	13	12	75	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	13	24	12	14	12	14	75	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	10	17	10	10	10	13	65	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	7	15	10	10	9	9	45	0	1	1	1	1	1	0
58	IT2016/019	11700216064	INDRANI MAITY	12	22	12	12	12	13	75	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	10	22	10	10	11	11	65	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	15	19	13	13	14	15	75	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	11	22	13	13	10	10	65	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	12	18	10	12	12	9	55	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	14	25	15	15	14	15	75	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	14	25	15	16	15	14	85	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	10	15	9	9	9	8	0	1	1	1	1	1	0	0
66	IT2016/043	11700216072	DEVESH DUGAR	14	22	12	13	13	13	75	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	12	17	10	11	10	11	65	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	15	25	14	16	16	15	85	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	15	23	15	15	13	14	85	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	12	24	15	13	15	12	75	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	11	16	10	10	9	10	55	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	18	9	9	8	8	45	1	1	1	1	0	0	0
73	IT2016/090	11700216080	AVIK DATTA	9	20	11	10	12	9	55	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	8	14	9	9	9	9	45	0	0	1	1	1	1	0
75	IT2016/032	11700216082	ATANU GHARA	15	19	12	13	13	15	75	1	1	1	1	1	1	1

76	IT2016/041	11700216083	ASHISH JAISWAL	12	21	10	10	13	11	65	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	23	13	12	13	12	65	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	11	14	12	9	12	10	55	1	0	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	11	18	12	12	12	11	55	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	7	17	8	9	10	8	45	0	1	0	1	1	0	0
81	IT2016/001	11700216088	ARGHYA MRIDHA	7	15	8	10	9	9	45	0	1	0	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	15	9	12	11	10	55	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	10	21	12	13	11	11	65	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	7	16	10	9	7	10	45	0	1	1	1	0	1	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	10	19	9	9	11	12	55	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	10	20	9	11	10	12	55	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	11	20	12	10	10	10	55	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	12	17	9	11	11	11	55	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	13	23	10	10	12	11	65	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	11	14	10	10	9	9	55	1	0	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	12	19	15	13	12	14	75	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	11	23	13	13	10	11	65	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	7	16	9	10	10	9	45	0	1	1	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	11	17	13	12	13	10	65	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	9	15	11	9	12	12	55	1	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	9	13	9	9	6	9	35	1	0	1	1	0	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	13	18	13	10	13	11	65	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	13	21	13	12	15	12	75	1	1	1	1	1	1	1

1	86	87	94	93	92	92	79
0	12	11	4	5	6	6	19
CO attn	0.88	0.89	0.96	0.95	0.94	0.94	0.81

Avg Attn	0.925
Attn Level	3

Avg Attn	0.81
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	3

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	1.83	2.00	1.67	0	0	0	0	0	0	0	0	1.17	
Overall (Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	1.83	2.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	**1.67**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	1.00	1.33	1.50	
Overall (Direct) CO attainment level	3	3.00	3.00	
Attainment of PSO for this course	1	1.33	1.50	**1.28**

Mapping of CO with PO and PSO of Object Oriented Programming & UML (Paper code: IT401)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	1	-	-	-	-	-	1	1
CO2	1	1	1	1	1	-	-	-	-	-	-	1
CO3	2	1	1	1	1	-	-	-	-	-	-	1
CO4	1	2	1	1	1	-	-	-	-	-	-	1
CO5	1	2	1	1	1	-	-	-	-	-	-	1
CO6	1	1	3	1	3	-	-	-	2	2	2	1
AVERAGE	1.33	1.33	1.33	1.00	1.33	0	0	0	2.00	2.00	1.50	1.00

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	-	1
CO2	3	-	1
CO3	3	-	1
CO4	3	-	1
CO5	3	-	1
CO6	3	1	1
AVERAGE	3.00	1.00	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam							
				CA1/CA2/CA3/CA4													
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
			Target Level	60%						55%	60%						
Sl No	Class Roll	Univ Roll	Name														
1	IT2016/034	11700216006	YASH AGARWAL	10	10	19	9	8	20	75	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR	10	14	20	9	8	20	65	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR	10	12	20	13	7	20	65	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR	10	15	21	9	6	22	85	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR	10	14	19	12	6	21	65	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR	10	10	21	13	9	22	55	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY	10	13	21	9	7	19	65	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE	10	10	19	15	8	19	65	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY	10	14	24	14	9	23	65	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE	10	15	21	12	6	22	75	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS	10	14	18	9	9	18	85	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR	10	14	16	13	6	23	85	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR	10	10	19	12	8	20	65	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI	10	15	19	9	6	20	75	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	10	10	18	14	6	23	75	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	10	10	23	13	10	24	55	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY	8	10	14	9	6	23	45	1	1	0	1	1	1	0
18	IT2016/058	11700216023	SK MD FARUK	10	10	16	14	6	21	65	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI	7	10	18	15	9	24	45	1	1	1	1	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN	5	10	22	9	8	23	55	0	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	10	10	18	13	6	21	85	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	10	10	18	15	9	24	65	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	9	10	24	14	9	24	55	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	10	10	16	9	10	24	65	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	10	10	22	14	8	23	65	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	8	10	23	13	8	23	75	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	10	15	21	9	8	22	85	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	8	10	22	9	6	23	75	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	6	10	21	12	6	22	65	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	6	10	18	14	6	19	55	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	6	10	23	13	6	24	75	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	10	15	18	13	9	23	85	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	10	10	23	13	6	19	65	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	10	10	23	14	6	23	85	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	8	10	24	9	6	25	75	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	10	10	22	12	9	3	75	1	1	1	1	1	0	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	10	25	9	6	25	75	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	8	11	24	9	6	19	85	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	9	11	19	9	6	18	65	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	10	5	19	9	6	18	95	1	0	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	9	10	18	9	6	23	65	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	10	18	14	6	24	75	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	10	19	14	7	22	75	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	10	15	18	13	9	22	85	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	10	10	21	12	6	23	75	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	7	10	24	15	6	25	55	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	8	10	24	15	9	25	55	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	10	19	14	9	23	65	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	10	10	19	14	10	23	65	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	10	19	9	10	23	55	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	10	10	17	9	9	22	65	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	9	10	18	9	10	23	55	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	9	10	15	11	9	18	55	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	8	11	18	9	9	24	75	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	8	11	17	13	10	23	65	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	10	10	19	9	6	17	55	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	10	10	17	12	10	22	55	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	11	16	12	8	21	75	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	10	10	19	12	9	22	85	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	8	11	22	13	8	23	75	1	1	1	1	1	1	1

61	IT2016/018	11700216067	HIMANSHU JAISWAL	10	10	23	13	9	23	55	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	10	23	13	8	24	65	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	10	10	23	13	8	22	75	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	10	10	21	11	9	22	75	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	10	10	19	9	9	20	25	1	1	1	1	1	1	0
66	IT2016/043	11700216072	DEVESH DUGAR	9	10	18	9	9	23	65	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	9	10	19	9	8	21	75	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	7	10	19	13	8	21	65	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	10	10	19	8	8	21	75	1	1	1	0	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	10	18	8	9	20	65	1	1	1	0	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	10	15	18	13	9	23	85	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	10	18	12	9	21	75	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	10	15	18	8	10	22	65	1	1	1	0	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	9	10	19	8	10	23	75	1	1	1	0	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	5	10	17	13	10	23	65	0	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	10	15	18	8	6	20	75	1	1	1	0	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	15	23	14	9	23	85	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	10	10	24	14	10	24	65	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	9	10	23	13	9	23	55	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	9	10	20	9	8	20	55	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	7	10	20	9	8	20	45	1	1	1	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	10	22	13	8	22	55	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	9	10	20	11	9	20	55	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	9	10	20	12	9	21	45	1	1	1	1	1	1	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	10	10	22	9	9	23	75	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	10	15	20	9	7	21	75	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	10	10	19	9	7	22	65	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	9	10	19	13	9	23	55	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	8	10	17	9	8	20	55	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	9	10	18	14	9	21	65	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	10	13	19	9	9	23	75	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	7	11	17	9	9	23	75	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	7	10	17	13	8	23	45	1	1	1	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	5	10	18	12	9	20	55	0	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	8	10	18	9	8	23	55	1	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	7	10	18	14	7	22	25	1	1	1	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	9	10	18	14	8	22	65	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	10	10	17	14	7	20	65	1	1	1	1	1	1	1

1	95	97	97	93	98	97	91
0	3	1	1	5	0	1	7
CO attn	0.97	0.99	0.99	0.95	1.00	0.99	0.93

Avg Attn	0.98
Attn Level	3

Avg Attn	0.93
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	3

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	1.33	1.33	1.33	1.00	1.33	0	0	0	2.00	2.00	1.50	1.00	
Overall (Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	1.33	1.33	1.33	1.00	1.33	0.00	0.00	0.00	2.00	2.00	1.50	1.00	**1.07**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	1.00	1.00	
Overall (Direct) CO attainment level	3	3.00	3.00	
Attainment of PSO for this course	3	1.00	1.00	**1.67**

Mapping of CO with PO and PSO of Numerical methods (Paper code: M(CS)-401)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	2	2	-	2	1	1	2	3	1	2
CO2	3	2	1	2	2	-	-	-	2	1	-	2
CO3	3	2	3	1	-	-	-	1	2	2	-	2
CO4	3	2	2	2	-	-	-	-	2	2	-	2
CO5	3	2	1	2	3	-	-	-	2	1	-	2
CO6	3	2	3	2	-	-	-	-	2	-	-	1
AVERAGE	3.00	1.83	2.00	1.83	2.50	2.00	1.00	1.00	2.00	1.80	1.00	1.83
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	1
CO2	3	2	1
CO3	3	2	1
CO4	3	2	1
CO5	3	2	1
CO6	3	2	1
AVERAGE	3.00	2.17	1

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam	Course Outcome Attainment with target in %						
				CA1/CA2/CA3/CA4													
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level						55%							
1	IT2016/034	11700216006	YASH AGARWAL		9	12	21	13	10	21	75	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		10	15	25	15	10	25	95	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		10	12	21	13	9	20	75	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	15	25	15	10	25	95	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	14	23	14	10	22	85	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		10	13	20	12	10	20	75	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		9	12	20	13	10	21	75	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		8	12	20	12	9	17	50	1	1	1	1	1	0	0
9	IT2016/028	11700216014	SWARNALI ROY		9	12	20	12	9	21	75	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	15	23	15	10	22	85	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	14	23	15	10	23	85	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		10	14	23	14	10	23	85	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		9	12	20	12	9	17	50	1	1	1	1	1	0	0
14	IT2016/094	11700216019	SUBHOJEET BHADURI		10	14	23	15	10	22	85	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	13	20	13	10	20	75	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	13	21	12	10	21	75	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		10	14	22	14	10	22	85	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		8	9	12	8	8	12	45	1	0	0	0	1	0	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		8	9	12	9	8	12	45	1	0	0	0	1	0	0
20	IT2016/031	11700216025	SHUBHA GAYEN		8	9	15	10	8	15	50	1	0	0	0	1	0	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	13	21	13	9	21	75	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		10	15	23	15	10	22	85	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		8	12	20	12	9	20	65	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		10	14	22	15	10	22	85	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		6	8	12	8	8	13	45	0	0	0	0	1	0	0
26	IT2016/046	11700216031	SAYON MOULIK		10	14	23	14	10	23	85	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		9	13	21	13	9	21	75	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		10	13	20	12	9	20	75	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		9	13	20	12	9	20	75	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		6	9	12	9	8	12	45	0	0	0	0	1	0	0
31	IT2016/036	11700216036	ROHIT SINGH		10	15	23	15	10	23	85	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		10	15	23	14	10	23	85	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		10	14	22	14	10	22	85	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		10	15	25	15	10	25	95	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		10	15	22	15	10	23	85	1	1	1	1	1	1	1

36	IT2016/069	11700216041	RAJARSHI DAS	10	14	22	14	10	22	85	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	15	23	15	10	23	85	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	13	21	12	10	21	75	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	10	15	22	15	10	22	85	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	10	15	25	15	10	25	95	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	10	15	25	15	10	25	95	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	6	9	13	9	8	12	45	0	0	0	0	1	0	0
43	IT2016/093	11700216048	PRITAM MANNA	8	12	20	12	9	20	65	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	10	14	22	14	10	23	85	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	10	15	23	14	10	23	85	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	8	12	20	12	9	17	65	1	1	1	1	1	0	1
47	IT2016/010	11700216052	PIYUSH KUMAR	9	13	21	13	9	20	75	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	10	12	20	13	9	21	75	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	8	12	20	12	9	17	65	1	1	1	1	1	0	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	13	21	13	9	21	75	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	8	12	20	12	8	17	65	1	1	1	1	1	0	1
52	IT2016/066	11700216058	LAKHAN KUMAR	8	12	20	12	8	17	50	1	1	1	1	1	0	0
53	IT2016/008	11700216059	KUNAL THAKUR	9	13	21	12	9	20	75	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	10	15	22	15	10	23	85	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	12	21	12	9	21	75	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	10	12	20	12	10	20	75	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	8	12	15	9	8	15	50	1	1	0	0	1	0	0
58	IT2016/019	11700216064	INDRANI MAITY	8	12	16	9	8	16	50	1	1	0	0	1	0	0
59	IT2016/007	11700216065	HOZAIFA WAHID	10	15	25	15	10	25	95	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	10	15	22	15	10	23	85	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	8	12	15	9	8	16	50	1	1	0	0	1	0	0
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	8	9	16	10	8	15	50	1	0	0	0	1	0	0
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	10	15	25	15	10	25	95	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	10	15	25	15	10	25	95	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	6	6	10	7	8	11	35	0	0	0	0	1	0	0
66	IT2016/043	11700216072	DEVESH DUGAR	8	12	16	10	8	16	50	1	1	0	0	1	0	0
67	IT2016/060	11700216073	DAMINI KUMARI	10	14	22	15	10	23	85	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	8	12	15	9	8	15	50	1	1	0	0	1	0	0
69	IT2016/040	11700216076	BIKRAM MITRA	10	15	25	15	10	25	95	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	15	22	14	10	23	85	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	10	15	25	15	10	25	95	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	8	12	15	9	8	16	50	1	1	0	0	1	0	0
73	IT2016/090	11700216080	AVIK DATTA	9	12	20	12	10	21	75	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	8	12	15	9	8	16	50	1	1	0	0	1	0	0
75	IT2016/032	11700216082	ATANU GHARA	9	12	20	12	10	21	75	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	10	15	23	15	10	23	85	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	15	25	15	10	25	95	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	10	15	23	14	10	22	85	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	10	13	21	13	10	21	75	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	10	12	21	13	10	21	75	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	8	13	8	8	12	45	1	0	0	0	1	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	8	12	20	12	8	20	65	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	10	14	23	14	10	23	85	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	10	13	20	13	10	21	75	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	10	15	22	15	10	22	85	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	10	14	23	14	10	23	85	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	10	15	25	15	10	25	95	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	9	12	20	12	10	21	75	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	12	20	12	9	20	75	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	8	12	15	10	8	15	50	1	1	0	0	1	0	0
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	10	14	23	14	10	22	85	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	9	12	21	13	9	21	75	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	8	9	16	10	8	15	50	1	0	0	0	1	0	0
94	IT2017/L06	11700217002	SNEHA YADAV	10	12	20	13	10	21	75	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	10	15	23	15	10	23	85	1	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	6	8	13	9	8	13	45	0	0	0	0	1	0	0
97	IT2017/L05	11700217005	DEBALINA MAITI	9	12	21	13	9	20	75	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	10	12	21	13	10	20	75	1	1	1	1	1	1	1

1	93	87	79	79	98	73	76
0	5	11	19	19	0	25	22
CO attn	0.95	0.89	0.81	0.81	1.00	0.74	0.78

Avg Attn	0.87
Attn Level	3

Avg Attn	0.78
Attn Level	2

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	2.5											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	3.00	1.83	2.00	1.83	2.50	2.00	1.00	1.00	2.00	1.80	1.00	1.83
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Attainment of PO for this course	2.50	1.53	1.67	1.53	2.08	1.67	0.83	0.83	1.67	1.50	0.00	0.00	**1.32**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	2.17	1	
Overall (Direct) CO attainment level	2.5	2.50	2.5	
Attainment of PSO for this course	2.5	1.81	0.83	**1.71**

Mapping of CO with PO and PSO of Mathematics-3 (Paper code: M401)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	-	-	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-	2	-
CO3	3	3	3	-	-	-	-	-	-	-	1	-
CO4	3	3	3	-	-	-	-	-	-	-	2	-
CO5	3	3	2	-	-	-	-	-	-	-	1	-
CO6	3	2	2	-	-	-	-	-	-	-	-	-
AVERAGE	3.00	2.67	2.50	0	0	0	0	0	0	0	1.50	0
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	2	-	1
CO2	3	-	1
CO3	2	-	1
CO4	3	-	-
CO5	2	-	1
CO6	3	-	1
AVERAGE	2.50	0	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam	Course Outcome Attainment with target in %						
				CA1/CA2/CA3/CA4													
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	25	15	10	10	15	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						50%	60%					
1	IT2016/034	11700216006	YASH AGARWAL		21	13	8	8	12	22	75	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		20	12	8	8	12	20	62	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		20	12	8	8	13	20	62	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		25	15	8	8	15	25	95	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		15	12	9	9	8	21	45	0	1	1	1	0	1	0
6	IT2016/037	11700216011	TIASHA SARKAR		15	12	9	9	8	21	45	0	1	1	1	0	1	0
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		16	12	8	8	13	15	45	0	1	1	1	1	0	0
8	IT2016/081	11700216013	SWETA BOSE		19	12	8	8	13	20	65	0	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		15	12	9	9	8	21	45	0	1	1	1	0	1	0
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		19	12	8	8	12	20	65	0	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		20	12	9	9	12	19	65	1	1	1	1	1	0	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		23	14	8	8	15	24	85	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		20	12	8	8	12	20	62	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		20	12	8	8	12	20	62	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		20	12	9	9	12	20	62	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		20	8	8	8	12	20	62	1	0	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		15	12	9	9	8	21	45	0	1	1	1	0	1	0
18	IT2016/058	11700216023	SK MD FARUK		12	5	8	8	6	12	35	0	0	1	1	0	0	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		12	5	9	9	15	12	35	0	0	1	1	1	0	0
20	IT2016/031	11700216025	SHUBHA GAYEN		15	8	8	8	14	21	65	0	0	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		20	13	8	8	13	19	65	1	1	1	1	1	0	1

| | | |

1	58	81	88	90	76	67	79
0	40	17	10	8	22	31	19
CO att	0.59	0.83	0.90	0.92	0.78	0.68	0.81

Avg Attn	0.782
Attn Level	2

Avg Attn	0.81
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	2.5											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	3.00	2.67	2.50	0	0	0	0	0	0	0	1.50	0
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Attainment of PO for this course	2.50	2.22	2.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.00	**0.67**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.50	0	1.00	
Overall (Direct) CO attainment level	2.5	2.50	2.5	
Attainment of PSO for this course	2.08	0.00	0.83	**0.97**

Mapping of CO with PO and PSO of Communication Engg & Coding Theory (Paper code: CS491)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	1	1	-	-	-	-	-	-	1
CO2	3	3	3	2	3	-	-	2	-	-	-	2
CO3	3	3	3	2	3	-	-	2	1	-	-	2
CO4	3	3	3	2	3	-	-	2	-	-	1	2
CO5	3	3	3	2	3	-	-	1	1	-	1	2
CO6	3	3	2	1	1	-	-	-	1	-	-	1
AVERAGE	3.00	3.00	2.83	1.67	2.33	0	0	1.75	1.00	0	1.00	1.67
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	2
CO2	3	1	3
CO3	3	2	3
CO4	3	3	3
CO5	3	3	2
CO6	3	3	1
AVERAGE	3.00	2.50	2.33

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's													
					PCA1			PCA2			Univ. Exam							
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		15	15	10	15	15	10	56	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		15	15	10	15	15	10	56	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		13	13	9	14	12	9	44	1	1	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		15	15	10	15	15	10	56	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		15	13	9	14	14	10	50	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		15	14	10	15	15	10	50	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		13	13	9	14	13	9	44	1	1	1	1	1	1	0
8	IT2016/081	11700216013	SWETA BOSE		14	15	9	14	15	10	44	1	1	1	1	1	1	0
9	IT2016/028	11700216014	SWARNALI ROY		15	15	10	15	15	10	56	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		15	14	8	14	14	8	50	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		14	15	10	15	15	10	56	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		13	14	10	15	15	10	50	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		14	13	10	14	15	10	50	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		14	12	10	14	15	10	50	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		14	15	10	15	14	10	50	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		15	15	10	15	15	10	56	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		14	14	9	15	14	9	50	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		15	14	8	13	14	8	44	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		15	15	10	15	15	9	50	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		12	13	8	15	14	9	44	1	1	1	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		13	14	9	14	14	9	50	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		14	15	9	15	15	10	50	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		15	15	9	14	15	10	50	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		15	15	10	15	15	10	56	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		13	14	10	14	14	9	50	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		14	15	10	15	13	10	50	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		15	15	9	15	13	9	50	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		15	15	10	15	15	10	56	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		14	14	9	13	14	10	50	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		15	15	10	15	15	9	56	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		14	13	8	15	15	10	50	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		15	15	10	15	15	10	56	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		15	14	10	14	14	9	50	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		15	15	10	15	15	10	56	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		15	14	9	14	15	9	50	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		15	15	10	15	15	10	56	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		15	13	8	15	15	8	50	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		14	15	9	14	15	10	50	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		14	14	10	12	14	8	44	1	1	1	1	1	1	0
40	IT2016/077	11700216045	PUSPITA DAS		15	15	8	15	15	10	50	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS		15	15	9	14	15	10	50	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		13	14	9	14	14	10	50	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA		12	12	7	14	13	9	44	1	1	0	1	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		14	13	9	15	13	10	50	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY		15	15	10	15	15	10	56	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		14	13	8	14	14	8	44	1	1	1	1	1	1	0
47	IT2016/010	11700216052	PIYUSH KUMAR		13	14	10	12	15	8	50	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		12	13	10	13	14	9	50	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR		14	13	9	15	15	9	50	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		15	15	10	15	15	10	50	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL		15	15	10	15	15	10	56	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR		13	15	9	14	14	9	50	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR		15	15	10	15	15	10	56	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA		14	15	10	15	15	10	56	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV		15	15	10	15	15	10	56	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA		13	12	8	15	14	10	44	1	1	1	1	1	1	0
57	IT2016/073	11700216063	KAVERI SAHA		14	15	10	14	15	10	50	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY		15	15	10	15	15	10	56	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID		15	15	10	15	15	10	56	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN		12	14	9	14	15	9	50	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL		14	14	10	12	14	9	50	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL		15	14	10	14	15	10	50	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA		15	15	10	15	15	10	56	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA		15	15	10	15	15	10	56	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY		15	15	10	15	12	10	56	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR		15	14	8	15	14	8	50	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI		15	15	10	15	15	10	56	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR		15	15	9	14	15	8	50	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA		15	15	9	15	15	9	50	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL		15	15	10	15	14	10	56	1	1	1	1	1	1	1

71	IT2016/095	11700216078	AYUSH PARWAL	15	13	9	14	15	9	50	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	14	15	10	14	14	10	50	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	12	14	8	14	14	10	50	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	13	14	8	15	12	9	50	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	15	12	10	12	15	10	44	1	1	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	14	14	10	13	14	8	44	1	1	1	1	1	1	0
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	14	15	10	15	15	10	56	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	11	14	10	14	14	8	50	0	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	12	12	7	12	11	8	50	1	1	0	1	0	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	15	14	10	15	12	10	56	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	15	15	10	15	15	9	44	1	1	1	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	14	14	8	14	12	10	44	1	1	1	1	1	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	15	14	9	14	15	10	50	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	15	15	10	15	15	10	50	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	15	14	10	15	15	10	50	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	14	14	10	14	15	9	50	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	15	15	10	15	15	9	56	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	13	13	9	14	12	9	50	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	14	15	10	15	15	10	50	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	12	12	10	14	13	10	44	1	1	1	1	1	1	0
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	13	15	10	15	15	10	50	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	15	15	9	14	15	10	44	1	1	1	1	1	1	0
93	IT2017/L01	11700217001	SUTANUKA DAS	14	14	10	14	15	8	44	1	1	1	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	12	13	9	11	14	9	44	1	1	1	0	1	1	0
95	IT2017/L03	11700217003	RUMELI BANERJEE	13	14	8	14	14	8	39	1	1	1	1	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	11	15	9	13	14	8	39	0	1	1	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	13	14	10	15	15	8	50	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	15	15	9	13	15	8	50	1	1	1	1	1	1	1

1	96	98	96	97	97	98	79
0	2	0	2	1	1	0	19
CO attn	0.98	1.00	0.98	0.99	0.99	1.00	0.81

Avg Attn	0.99
Attn Level	3

Avg Attn	0.81
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level: 3

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	3.00	2.83	1.67	2.33	0	0	1.75	1.00	0	1.00	1.67	
Overall(Direct) CO attainment level	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
Attainment of PO for this course	3.00	3.00	2.83	1.67	2.33	0.00	0.00	1.75	1.00	0.00	1.00	1.67	**1.52**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	2.5	2.33	
Overall(Direct) CO attainment level	3.00	3.00	3.00	
Attainment of PSO for this course	3.00	2.50	2.33	**2.61**

Mapping of CO with PO and PSO of Software Tools (Paper code: CS492)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	-	-	-	2	1	-	-	2	-	2	2
CO2	3	-	-	1	2	1	-	-	2	-	1	2
CO3	3	-	-	1	2	1	-	-	2	-	1	2
CO4	3	3	3	2	2	1	1	1	2	2	1	2
CO5	3	3	2	1	2	1	2	2	2	1	1	2
CO6	3	3	3	2	2	1	2	2	2	3	3	2
AVERAGE	**3.00**	**3.00**	**2.67**	**1.40**	**2.00**	**1.00**	**1.67**	**1.67**	**2.00**	**2.00**	**1.50**	**2.00**

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	1
CO2	3	2	1
CO3	3	2	1
CO4	-	3	2
CO5	3	3	2
CO6	3	3	2
AVERAGE	**3.00**	**2.67**	**1.50**

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's													
					PCA1			PCA2			Univ. Exam	Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distributi	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		15	15	10	14	15	9	56	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		15	15	10	12	13	8	57	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		10	10	10	12	12	8	42	0	0	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		15	15	10	15	14	9	55	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	10	5	14	15	9	50	0	0	0	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		15	14	8	14	14	8	49	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		15	15	5	12	13	8	48	1	1	0	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		15	15	5	14	15	9	54	1	1	0	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		15	15	5	13	12	8	50	1	1	0	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		15	15	10	12	12	7	56	1	1	1	1	1	0	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		15	15	10	12	13	8	56	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		15	15	10	15	14	9	54	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		12	13	5	12	13	8	55	1	1	0	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		15	15	10	14	15	9	56	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		13	14	6	15	14	9	47	1	1	0	1	1	1	0
16	IT2016/057	11700216021	SREJITA SAHA		10	10	5	14	15	9	51	0	0	0	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		10	10	5	15	14	8	49	0	0	0	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		10	5	5	12	12	8	42	0	0	0	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		10	10	5	14	15	9	43	0	0	0	1	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN		10	5	5	15	14	8	42	0	0	0	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		15	15	5	12	13	8	56	1	1	0	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		15	15	10	15	14	9	55	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		10	10	7	14	15	9	44	0	0	0	1	1	1	0
24	IT2016/021	11700216029	SHASHANK ROY		14	13	5	15	14	9	54	1	1	0	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		15	15	10	14	15	9	43	1	1	1	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK		15	15	10	15	14	10	56	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		15	15	5	13	12	8	57	1	1	0	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		15	15	10	12	13	8	55	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		15	15	10	12	12	7	48	1	1	1	1	1	0	1
30	IT2016/002	11700216035	RONAK BARMAN		10	5	5	15	14	9	49	0	0	0	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		10	6	6	14	15	9	50	0	0	0	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		15	15	10	14	14	9	54	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		5	10	10	15	14	9	51	0	0	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		15	15	10	15	15	10	55	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		15	15	10	14	15	10	48	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		13	12	10	12	12	8	56	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		5	5	10	15	14	9	56	0	0	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		15	15	10	14	15	9	55	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		5	5	10	12	12	8	55	0	0	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		12	15	10	11	12	6	56	1	1	1	0	1	0	1
41	IT2016/092	11700216046	PRIYANKA DAS		5	10	10	15	14	9	48	0	0	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		10	10	5	15	14	10	51	0	0	0	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA		8	10	4	14	14	9	50	0	0	0	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		15	15	10	15	14	9	55	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY		12	13	10	12	12	8	54	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		15	10	5	14	14	9	50	1	0	0	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR		5	10	10	13	12	9	49	0	0	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		12	13	8	11	12	8	49	1	1	1	0	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR		12	6	4	12	12	9	45	1	0	0	1	1	1	0
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		14	15	6	14	14	10	48	1	1	0	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL		12	13	10	12	12	8	54	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR		12	13	10	13	12	8	41	1	1	1	1	1	1	0
53	IT2016/008	11700216059	KUNAL THAKUR		15	15	10	13	12	8	55	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA		10	15	5	15	14	10	50	0	1	0	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV		5	10	10	14	14	9	49	0	0	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA		13	12	10	11	12	9	49	1	1	1	0	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA		15	15	5	15	14	10	50	1	1	0	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY		7	10	8	12	13	8	50	0	0	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID		15	15	10	13	11	7	55	1	1	1	1	0	0	1
60	IT2016/079	11700216066	HIMANSHU SHARAN		10	7	5	14	15	9	50	0	0	0	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL		15	10	5	15	15	9	52	1	0	0	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL		10	10	2	15	14	9	50	0	0	0	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA		12	15	10	14	15	9	55	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA		8	8	6	11	10	7	56	0	0	0	0	0	0	1
65	IT2016/089	11700216071	DIPANJAN RAY		5	10	10	12	10	6	52	0	0	1	1	0	0	1
66	IT2016/043	11700216072	DEVESH DUGAR		15	10	10	12	11	7	51	1	0	1	1	0	0	1
67	IT2016/060	11700216073	DAMINI KUMARI		15	15	5	12	13	9	56	1	1	0	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR		10	10	2	15	14	9	45	0	0	0	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA		15	15	8	13	13	8	55	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL		15	15	10	14	15	8	56	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL		14	15	8	14	15	10	55	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH		15	15	7	14	14	9	51	1	1	0	1	1	1	1

73	IT2016/090	11700216080	AVIK DATTA	15	15	5	14	15	9	55	1	1	0	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	15	15	5	14	14	10	56	1	1	0	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	15	15	7	14	14	9	45	1	1	0	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	13	7	10	13	12	7	50	1	0	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	15	15	10	15	14	9	57	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	15	15	10	13	14	9	56	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	15	15	10	14	15	9	42	1	1	1	1	1	1	0
80	IT2016/054	11700216087	ARIHANT RAJ	10	10	2	13	12	9	55	0	0	0	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	5	10	5	15	14	9	38	0	0	0	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	10	5	5	13	12	9	45	0	0	0	1	1	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	15	15	5	13	13	8	49	1	1	0	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	5	10	5	12	10	7	42	0	0	0	1	0	0	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	15	15	10	14	15	9	51	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	15	15	5	13	12	8	57	1	1	0	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	15	15	5	12	12	9	55	1	1	0	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	15	15	7	13	13	8	45	1	1	0	1	1	1	0
89	IT2016/051	11700216097	AMAN KUMAR	12	12	9	14	13	8	51	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	15	13	9	15	13	9	55	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	14	15	10	13	12	8	56	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	15	15	10	12	13	9	57	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	13	5	4	13	13	8	42	1	0	0	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	15	15	5	13	12	9	47	1	1	0	1	1	1	0
95	IT2017/L03	11700217003	RUMELI BANERJEE	10	7	5	13	13	8	43	0	0	0	1	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	10	5	5	12	13	9	41	0	0	0	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	8	8	6	12	13	8	44	0	0	0	1	1	1	0
98	IT2017/L04	11700217006	ANWESHA DEY	8	8	6	13	13	8	50	0	0	0	1	1	1	1

1	65	60	50	94	93	90	77
0	33	38	48	4	5	8	21
CO attn	0.66	0.61	0.51	0.96	0.95	0.92	**0.79**

Avg Attn	**0.77**
Attn Level	**2**

Avg Attn	**0.79**
Attn Level	**2**

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	**2**

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	3.00	2.67	1.40	2.00	1.00	1.67	1.67	2.00	2.00	1.50	2.00	
Overall(Direct) CO attainment level	2	2	2	2	2	2	2	2	2	2	2	2	
Attainment of PO for this course	2.00	2.00	1.78	0.93	1.33	0.67	1.11	1.11	1.33	1.33	1.00	1.33	**1.33**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	2.67	1.50	
Overall(Direct) CO attainment level	2	2	2	
Attainment of PSO for this course	2.00	1.78	1.00	**1.59**

Mapping of CO with PO and PSO of the Course Object Oriented Programming & UML Lab(Paper code: IT491)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	2	1	1	-	-	-	-	1	1	1
CO2	1	1	1	1	1	-	-	-	-	1	-	1
CO3	2	1	1	1	1	-	-	-	-	1	-	1
CO4	1	1	1	1	1	-	-	-	-	1	-	1
CO5	1	1	1	1	1	-	-	-	-	1	-	1
CO6	1	1	3	1	3	-	-	-	2	2	2	1
AVERAGE	1.33	1.00	1.50	1.00	1.33	0	0	0	2.00	1.17	1.50	1.00

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	-	1
CO2	3	-	1
CO3	3	-	1
CO4	3	-	1
CO5	3	-	1
CO6	3	1	1
AVERAGE	3.00	1.00	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's													
					PCA1			PCA2			Univ. Exam							
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		15	15	10	14	15	9	60	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		15	15	10	12	13	8	60	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		10	10	10	12	12	8	40	0	0	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		15	15	10	15	14	9	60	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	10	5	14	15	9	60	0	0	0	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		15	14	8	14	14	8	40	1	1	1	1	1	1	0
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		15	15	5	12	13	8	60	1	1	0	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		15	15	5	14	15	9	60	1	1	0	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		15	15	5	13	12	8	60	1	1	0	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		15	15	10	12	12	7	60	1	1	1	1	1	0	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		15	15	10	12	13	8	60	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		15	15	10	15	14	9	60	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		12	13	5	12	13	8	60	1	1	0	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		15	15	10	14	15	9	60	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		13	14	6	15	14	9	60	1	1	0	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		10	10	5	14	15	9	60	0	0	0	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		10	10	5	15	14	8	40	0	0	0	1	1	1	0
18	IT2016/058	11700216023	SK MD FARUK		10	5	5	12	12	8	60	0	0	0	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		10	10	5	14	15	9	60	0	0	0	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		10	5	5	15	14	8	40	0	0	0	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		15	15	5	12	13	8	60	1	1	0	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		15	15	10	15	14	9	60	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		10	10	7	14	15	9	30	0	0	0	1	1	1	0
24	IT2016/021	11700216029	SHASHANK ROY		14	13	5	15	14	9	60	1	1	0	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		15	15	10	14	15	9	50	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		15	15	10	15	14	10	60	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		15	15	5	13	12	8	60	1	1	0	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		15	15	10	12	13	8	60	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		15	15	10	12	12	7	50	1	1	1	1	1	0	1
30	IT2016/002	11700216035	RONAK BARMAN		10	5	5	15	14	9	60	0	0	0	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		10	6	6	14	15	9	60	0	0	0	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		15	15	10	14	14	9	60	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		5	10	10	15	14	9	60	0	0	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		15	15	10	15	15	10	60	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		15	15	10	14	15	10	50	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		13	12	10	12	12	8	60	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		5	5	10	15	14	9	60	0	0	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		15	15	10	14	15	9	60	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		5	5	10	12	12	8	60	0	0	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		12	15	10	11	12	6	60	1	1	1	0	1	0	1
41	IT2016/092	11700216046	PRIYANKA DAS		5	10	10	15	14	9	50	0	0	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		10	10	5	15	14	10	60	0	0	0	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA		8	10	4	14	14	9	60	0	0	0	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		15	15	10	15	14	9	60	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY		12	13	10	12	12	8	60	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		15	10	5	14	14	9	60	1	0	0	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR		5	10	10	13	12	9	60	0	0	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		12	13	8	11	12	8	60	1	1	1	0	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR		12	6	4	12	12	9	60	1	0	0	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		14	15	6	14	14	10	60	1	1	0	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL		12	13	10	12	12	8	60	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR		12	13	10	13	12	8	60	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR		15	15	10	13	12	8	60	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA		10	15	5	15	14	10	60	0	1	0	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV		5	10	10	14	14	9	60	0	0	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA		13	12	10	11	12	9	60	1	1	1	0	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA		15	15	5	15	14	10	60	1	1	0	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY		7	10	8	12	13	8	60	0	0	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID		15	15	10	13	11	7	60	1	1	1	1	0	0	1
60	IT2016/079	11700216066	HIMANSHU SHARAN		10	7	5	14	15	9	60	0	0	0	1	1	1	1

61	IT2016/018	11700216067	HIMANSHU JAISWAL	15	10	5	15	15	9	60	1	0	0	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	10	10	2	15	14	9	50	0	0	0	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	12	15	10	14	15	9	60	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	8	6	11	10	7	60	0	0	0	0	0	0	1
65	IT2016/089	11700216071	DIPANJAN RAY	5	10	10	12	10	6	60	0	0	1	1	0	0	1
66	IT2016/043	11700216072	DEVESH DUGAR	15	10	10	12	11	7	50	1	0	1	1	0	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	15	15	5	12	13	9	60	1	1	0	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	10	10	2	15	14	9	60	0	0	0	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	15	15	8	13	13	8	60	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	15	15	10	14	15	8	60	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	14	15	8	14	15	10	60	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	15	15	7	14	14	9	60	1	1	0	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	15	15	5	14	15	9	60	1	1	0	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	15	15	5	14	14	10	60	1	1	0	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	15	15	7	14	14	9	60	1	1	0	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	13	7	10	13	12	7	60	1	0	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	15	15	10	15	14	9	60	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	15	15	10	13	14	9	60	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	15	15	10	14	15	9	60	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	10	10	2	13	12	9	60	0	0	0	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	5	10	5	15	14	9	50	0	0	0	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	10	5	5	13	12	9	40	0	0	0	1	1	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	15	15	5	13	13	8	60	1	1	0	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	5	10	5	12	10	7	60	0	0	0	1	0	0	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	15	15	10	14	15	9	60	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	15	15	5	13	12	8	60	1	1	0	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	15	15	5	12	12	9	60	1	1	0	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	15	15	7	13	13	8	60	1	1	0	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	12	12	9	14	13	8	60	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	15	13	9	15	13	9	60	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	14	15	10	13	12	8	31	1	1	1	1	1	1	0
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	15	15	10	12	13	9	60	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	13	5	4	13	13	8	50	1	0	0	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	15	15	5	13	12	9	60	1	1	0	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	10	7	5	13	13	8	50	0	0	0	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	10	5	5	12	13	9	50	0	0	0	1	1	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	8	8	6	12	13	8	60	0	0	0	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	8	8	6	13	13	8	50	0	0	0	1	1	1	1

1	65	60	50	94	93	90	91
0	33	38	48	4	5	8	7
CO attn	0.66	0.61	0.51	0.96	0.95	0.92	0.93

Avg Attn	0.77
Attn Level	2

Avg Attn	0.93
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as												
Direct CO attainment level	2.6											
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	1.33	1.00	1.50	1.00	1.33	0	0	0	2.00	1.17	1.50	1.00
Overall(Direct) CO attainment level	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Attainment of PO for this course	1.16	0.87	1.30	0.87	1.16	0.00	0.00	0.00	1.73	1.01	1.30	0.87	**0.85**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	1.00	1	
Overall(Direct) CO attainment level	2.6	2.6	2.6	
Attainment of PSO for this course	2.60	0.87	0.87	**1.44**

Mapping of CO with PO and PSO of Numerical Method (Paper Code: M(CS)491)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	2	1	1	-	-	-	-	1	1	1
CO2	1	1	1	1	1	-	-	-	-	1	-	1
CO3	2	1	1	1	1	-	-	-	-	1	-	1
CO4	1	1	1	1	1	-	-	-	-	1	-	1
CO5	1	1	1	1	1	-	-	-	-	1	-	1
CO6	1	1	3	1	3	-	-	-	2	2	2	1
AVERAGE	1.33	1.00	1.50	1.00	1.33	0	0	0	2.00	1.17	1.50	1.00
Average =sum/ number of entry												

Table 2

	PSO1	PSO2	PSO3
CO1	3	-	1
CO2	3	-	1
CO3	3	-	1
CO4	3	-	1
CO5	3	-	1
CO6	3	1	1
AVERAGE	3.00	1.00	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

Sl No	Class Roll	Univ Roll	Name		ALL PCA's PCA1 CO1	CO2	CO3	PCA2 CO4	CO5	CO6	Univ. Exam	Course Outcome Attainment with target in % CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
			Course Outcomes		CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution		15	15	10	15	15	10	60							
			Target Level		80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		15	15	10	15	15	10	56	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		15	15	10	15	15	10	56	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		13	12	10	12	13	9	44	1	1	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		15	15	10	15	15	10	56	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		15	14	10	15	14	10	50	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		15	14	10	14	15	10	50	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		13	12	10	12	12	10	44	1	1	1	1	1	1	0
8	IT2016/081	11700216013	SWETA BOSE		15	15	10	15	15	10	50	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		15	15	10	15	15	10	56	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		15	15	10	15	15	10	56	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		14	15	10	14	15	10	50	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		15	14	10	15	15	10	50	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		14	14	10	15	14	10	50	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		14	14	10	15	15	10	50	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		15	14	10	15	14	10	50	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		15	15	10	15	15	10	56	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		15	15	10	14	15	10	50	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		12	12	10	12	13	9	44	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		12	13	10	13	12	10	44	1	1	1	1	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN		12	13	10	12	13	10	44	1	1	1	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		15	15	10	15	14	10	50	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		15	15	10	15	15	10	50	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		15	15	10	15	15	10	56	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		14	15	10	15	14	10	50	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		13	13	9	12	12	10	44	1	1	1	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK		15	15	10	15	15	10	56	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		15	15	10	15	15	10	56	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		15	15	10	15	15	10	56	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		15	15	10	15	15	10	50	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		15	15	10	15	14	10	50	1	1	1	1	1	1	1

31	IT2016/036	11700216036	ROHIT SINGH	14	15	10	15	15	10	50	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	15	15	10	15	15	10	56	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	14	15	10	15	15	10	50	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	15	15	10	15	15	10	56	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	14	15	10	14	15	10	50	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	15	15	10	15	15	10	56	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	15	15	10	15	15	10	56	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	14	14	10	14	15	10	50	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	15	14	10	14	14	10	50	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	15	15	10	15	15	10	56	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	15	15	10	14	15	10	50	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	15	15	10	14	14	10	50	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	13	12	10	13	13	10	44	1	1	1	1	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	14	14	10	14	15	10	50	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	14	14	10	14	14	10	50	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	15	15	10	15	15	10	50	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	15	14	10	14	15	10	50	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	15	14	10	14	15	10	50	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	14	14	10	15	15	10	50	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	15	15	10	15	15	10	56	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	15	15	10	15	14	10	50	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	14	15	10	15	14	10	50	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	14	15	10	14	15	10	50	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	14	15	10	15	14	10	50	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	15	15	10	15	15	10	56	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	15	14	10	14	14	10	50	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	15	15	10	15	15	10	56	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	15	15	10	14	14	10	50	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	15	15	10	15	15	10	56	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	15	15	10	15	15	10	56	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	14	14	10	14	14	10	50	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	14	15	10	15	15	10	50	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	15	15	10	15	15	10	56	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	14	14	10	15	14	10	50	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	15	15	10	15	15	10	56	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	14	15	10	15	14	10	50	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	15	14	10	14	14	10	50	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	12	13	9	12	12	9	44	1	1	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	15	15	10	15	15	10	56	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	15	15	10	15	15	10	56	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	15	15	10	15	14	10	50	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	15	14	10	15	14	10	50	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	13	12	9	13	13	9	44	1	1	1	1	1	1	0
74	IT2016/016	11700216081	AVIJIT DAS	12	13	9	13	12	9	44	1	1	1	1	1	1	0
75	IT2016/032	11700216082	ATANU GHARA	14	15	10	15	15	10	50	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	14	14	10	14	14	10	50	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	15	15	10	15	15	10	56	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	15	15	10	14	14	10	50	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	15	15	10	15	15	10	50	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	15	15	10	15	15	10	56	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	11	12	9	11	12	8	39	0	1	1	0	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	14	14	10	15	14	10	50	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	14	14	10	15	15	10	50	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	13	13	10	12	12	9	44	1	1	1	1	1	1	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	14	14	10	14	15	10	50	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	15	15	10	15	14	10	50	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	14	15	10	15	15	10	50	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	15	15	10	15	15	10	50	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	15	14	10	14	14	10	50	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	15	15	10	14	15	10	50	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	15	15	10	14	14	10	50	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	15	14	10	15	15	10	50	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	13	12	10	12	13	10	44	1	1	1	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	14	15	10	15	15	10	50	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	13	12	9	13	12	9	44	1	1	1	1	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	13	13	10	12	12	9	44	1	1	1	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	14	15	10	15	15	10	50	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	14	15	10	14	14	10	50	1	1	1	1	1	1	1

1	97	98	98	97	98	98	83
0	1	0	0	1	0	0	15
CO attn	0.99	1.00	1.00	0.99	1.00	1.00	0.85

Avg Attn	1.00
Attn Level	3

Avg Attn	0.85
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	3											
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	1.33	1.00	1.50	1.00	1.33	0	0	0	2.00	1.17	1.50	1.00
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3
Attainment of PO for this course	1.33	1.00	1.50	1.00	1.33	0.00	0.00	0.00	2.00	1.17	1.50	1.00	**0.99**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	1.00	1	
Overall(Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	3.00	1.00	1.00	**1.67**

Mapping of CO with PO and PSO of Values & Ethics in Profession (Paper code: HU481)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	-	-	3	-	-	2	3	3	-	3
CO2	-	2	3	2	-	-	2	2	3	3	2	3
CO3	2	1	-	2	3	2	2	2	3	3	2	3
CO4	1	3	3	3	3	3	2	3	3	3	2	3
CO5	-	2	2	3	2	2	2	3	3	3	-	3
CO6	3	2	2	3	2	3	2	2	3	3	2	3
AVERAGE	2.25	1.83	2.50	2.60	2.60	2.50	2.00	2.33	3.00	3.00	2.00	3.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	1
CO2	-	3	2
CO3	2	3	1
CO4	1	3	-
CO5	-	3	1
C06	3	3	-
AVERAGE	2.25	3.00	1.25

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					Internal Continuous assessment (60)						External Assessment (40)							
				Course Outcomes	Continuous Assessment-1 (30)			Continuous Assessment-2 (30)			Univ. Exam	Course Outcome Attainment with target in %						CO Attainment in Univ Exam
					CO1	CO2	CO3	CO4	CO5	CO6		CO1	CO2	CO3	CO4	CO5	CO6	
				Marks Distribution	10	10	10	10	10	10	80%	80%						
Sl No	Class Roll	Univ Roll	Name	Target Level	80%													
1	IT2016/034	11700216006	YASH AGARWAL		9	8	9	8	9	9	38	1	1	0	1	1	0	1
2	IT2016/071	11700216007	VIVEK KUMAR		8	8	7	8	8	7	34	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		9	9	8	9	9	8	34	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		9	9	8	8	8	8	38	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	9	10	10	10	9	38	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		9	8	9	8	9	9	38	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		10	9	10	10	10	9	34	1	1	1	1	1	0	1
8	IT2016/081	11700216013	SWETA BOSE		8	8	8	8	8	7	38	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		9	8	9	8	9	9	38	1	0	1	0	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		8	7	8	7	8	8	34	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		9	8	9	8	9	9	38	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	8	9	8	9	9	38	1	0	1	0	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		8	7	8	7	8	8	38	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		9	8	9	8	9	9	38	1	1	1	1	1	0	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		9	9	8	9	9	7	34	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	8	9	8	9	9	34	1	0	1	1	1	1	1

17	IT2016/038	11700216022	SOMA ROY	8	7	8	8	8	8	38	1	1	0	0	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	8	8	7	7	8	8	34	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI	9	8	9	8	9	9	34	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN	10	9	10	10	10	9	34	0	1	1	0	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	7	8	8	7	8	8	34	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	9	8	9	8	9	9	38	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	9	8	9	8	9	9	34	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	9	8	9	8	9	9	38	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	9	8	9	8	9	9	34	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	9	9	9	8	9	8	38	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	9	8	9	8	9	9	38	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	10	9	10	10	10	9	38	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	9	8	9	8	9	9	34	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	9	8	9	8	9	9	34	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	10	9	10	10	10	9	38	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	9	9	8	8	9	8	38	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	10	9	10	10	10	9	34	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	10	9	10	10	10	9	38	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	10	9	10	10	10	9	34	1	1	0	1	1	0	1
36	IT2016/069	11700216041	RAJARSHI DAS	8	8	7	8	8	7	38	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	9	8	8	9	8	8	34	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	8	9	8	9	9	38	1	1	0	1	1	0	1
39	IT2016/011	11700216044	RAHUL BARMAN	8	8	7	8	8	7	34	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	9	8	9	8	9	9	38	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	10	9	10	10	10	9	34	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	10	9	10	10	10	9	34	1	0	1	1	0	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	7	8	9	7	8	30	1	1	1	1	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	8	9	8	8	9	8	34	1	1	0	1	1	0	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	9	7	8	8	7	34	1	0	1	1	0	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	9	7	9	8	7	9	30	1	1	1	1	1	1	0
47	IT2016/010	11700216052	PIYUSH KUMAR	9	8	9	8	9	9	34	1	0	0	1	1	0	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	7	7	8	8	7	30	1	1	1	1	1	1	0
49	IT2016/085	11700216054	PAROMITA PODDAR	10	9	10	10	10	9	38	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	9	10	10	10	9	34	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	10	9	10	10	10	9	34	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	10	9	10	10	10	9	34	1	1	1	0	1	0	1
53	IT2016/008	11700216059	KUNAL THAKUR	8	8	8	7	8	7	34	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	9	9	8	9	9	8	38	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	9	10	10	10	9	34	1	1	0	1	1	0	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	8	7	8	8	7	34	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	9	8	9	8	9	9	38	1	1	0	1	1	0	1
58	IT2016/019	11700216064	INDRANI MAITY	8	8	7	8	8	7	38	1	0	0	1	1	0	1
59	IT2016/007	11700216065	HOZAIFA WAHID	8	7	7	8	8	7	38	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	8	8	8	9	8	34	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	10	9	10	10	10	9	38	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	8	9	8	9	9	38	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	8	9	8	9	9	38	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	10	9	10	10	10	9	38	0	0	0	0	0	0	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	6	7	7	7	7	38	1	0	0	1	1	0	1
66	IT2016/043	11700216072	DEVESH DUGAR	8	7	7	8	8	7	38	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	9	8	9	8	9	9	34	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	10	9	10	10	10	9	34	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	9	9	8	8	9	8	38	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	9	10	10	10	9	38	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	8	9	8	9	9	38	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	8	9	8	9	9	34	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	9	8	9	8	9	9	34	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	10	9	10	10	10	9	34	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	8	9	8	9	9	34	1	1	0	1	1	0	1
76	IT2016/041	11700216083	ASHISH JAISWAL	8	9	7	8	8	7	34	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	9	8	8	8	8	38	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	10	9	10	10	10	9	34	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	9	8	9	8	9	9	34	1	0	0	1	1	0	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	7	7	8	8	7	38	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	10	9	10	10	10	9	34	1	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	10	9	10	10	10	9	38	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	9	8	8	9	9	8	34	1	1	0	1	0	0	1
84	IT2016/012	11700216092	ANUMITA SAHA	8	8	7	8	7	7	34	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	9	8	9	8	9	9	34	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	9	8	9	8	9	9	38	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	8	8	8	9	9	30	1	1	1	1	1	1	0
88	IT2016/074	11700216096	AMIT KUMAR	9	8	9	8	9	9	34	1	0	0	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	5	5	8	9	9	28	1	1	1	1	0	0	0
90	IT2016/044	11700216098	AMAN JAISWAL	8	8	8	8	7	7	34	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	9	8	9	8	9	9	34	1	0	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	7	8	8	8	8	38	1	1	1	1	1	0	1

93	IT2017/L01	11700217001	SUTANUKA DAS	8	8	8	8	8	7	28	1	1	1	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	9	8	9	8	9	9	34	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	9	9	8	9	9	8	30	1	1	1	1	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	8	8	8	8	8	8	30	1	1	1	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	9	8	9	8	9	9	34	1	1	1	1	0	0	1
98	IT2017/L04	11700217006	ANWESHA DEY	8	8	8	8	7	7	34	0	0	0	0	0	0	1

1	95	85	82	91	91	78	89
0	2	12	15	6	6	19	8
CO attn	0.98	0.88	0.85	0.94	0.94	0.80	0.92

Avg Attn	0.89
Attn Level	3

Avg Attn	0.92
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 60% of CO attainment level in internal Assessment + 40% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level 3

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	2.25	1.83	2.50	2.60	2.60	2.50	2.00	2.33	3.00	3.00	2.00	3.00	
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	2.25	1.83	2.50	2.60	2.60	2.50	2.00	2.33	3.00	3.00	2.00	3.00	**2.47**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.25	3.00	1.25	
Overall(Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	2.25	3.00	1.25	**2.17**

Attainment Details of Semester V

Mapping of CO with PO and PSO of Economics for Engineers (Paper code: HU 501)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	-	-	-	-	-	-	-	-	-	-	-
CO2	-	3	-	-	-	-	1	-	-	-	-	-
CO3	-	-	-	-	3	-	-	-	-	-	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	1	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-
AVERAGE	3.00	3.00	3.00	0.00	3.00	0	1.00	0.00	1.00	0.00	0.00	0.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	-	-	-
CO2	-	-	-
CO3	-	-	-
CO4	-	-	-
CO5	-	-	-
CO6	-	-	-
AVERAGE	0	0	0

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						CO Attainment in Univ Exam
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						60%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		10	13	21	14	8	24	75	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		10	13	20	13	9	23	75	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		10	11	20	12	9	22	65	1	0	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		9	13	23	12	10	24	75	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	13	22	15	10	23	75	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		8	14	21	14	10	20	75	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	13	21	14	7	21	65	0	1	1	1	0	1	1
8	IT2016/081	11700216013	SWETA BOSE		9	12	23	14	8	24	75	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		10	13	24	13	9	23	75	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	12	21	12	10	22	65	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	13	23	14	9	24	75	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	14	23	13	10	23	75	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		10	14	20	12	8	20	75	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		10	13	20	14	8	20	75	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	13	24	13	9	24	65	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	14	23	12	10	23	75	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		10	13	24	12	9	22	75	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		7	14	20	13	9	24	75	0	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		10	13	24	15	9	23	75	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		9	13	22	14	10	20	65	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	12	20	13	10	21	75	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		9	15	23	15	10	24	75	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		10	14	24	14	9	24	75	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		10	14	23	14	10	24	75	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		9	14	22	14	9	23	65	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		10	13	23	13	9	22	75	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		10	12	21	13	10	24	75	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		10	13	22	14	10	23	65	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		10	12	21	12	10	20	75	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		9	12	22	14	8	22	75	1	1	1	1	1	1	1

31	IT2016/036	11700216036	ROHIT SINGH	9	14	23	13	10	24	75	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	9	13	23	15	9	23	75	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	10	14	23	14	9	22	75	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	10	14	23	14	10	24	65	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	10	15	24	14	9	23	75	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	9	13	21	13	9	22	75	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	15	23	15	10	24	85	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	14	23	14	9	23	75	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	9	12	20	11	10	20	75	1	1	1	0	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	10	11	20	13	9	21	75	1	0	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	10	14	23	14	9	24	65	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	10	13	24	14	10	23	75	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	13	21	14	10	22	75	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	22	13	10	24	75	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	14	21	12	9	23	75	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	10	13	24	15	10	20	65	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	10	12	24	15	9	25	75	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	23	14	9	23	75	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	14	23	14	10	24	75	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	13	23	13	10	23	75	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	9	13	21	13	9	22	75	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	10	14	23	13	10	23	65	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	10	11	20	11	9	20	75	1	0	1	0	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	9	14	24	14	9	24	75	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	23	15	10	23	85	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	12	20	14	10	20	75	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	10	14	22	14	10	22	75	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	10	12	20	14	9	21	65	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	10	12	21	13	9	22	75	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	13	10	24	75	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	13	23	13	10	23	75	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	14	23	13	10	22	75	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	13	23	13	9	24	75	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	13	21	11	9	23	75	1	1	1	0	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	12	20	11	10	20	75	0	1	1	0	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	8	14	22	13	10	23	65	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	12	20	15	10	21	75	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	9	13	22	14	9	22	75	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	8	12	21	14	9	21	65	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	12	22	14	10	21	65	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	10	11	20	13	10	24	55	1	0	1	1	1	1	0
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	10	12	22	13	10	23	65	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	9	11	20	12	9	22	55	1	0	1	1	1	1	0
74	IT2016/016	11700216081	AVIJIT DAS	8	13	22	13	10	24	75	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	14	23	13	10	23	75	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	10	14	22	13	10	20	75	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	12	20	13	6	20	55	1	1	1	1	0	1	0
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	10	14	23	14	9	23	75	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	9	13	24	14	10	24	75	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	13	23	13	9	23	75	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	12	20	12	8	24	75	1	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	13	20	12	8	23	75	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	9	13	22	13	10	22	65	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	10	12	20	11	9	24	75	1	1	1	0	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	10	13	20	12	10	23	75	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	10	12	22	13	10	20	75	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	13	20	13	10	21	75	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	9	11	20	13	6	22	65	1	0	1	1	0	1	1
89	IT2016/051	11700216097	AMAN KUMAR	10	13	22	13	9	23	75	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	10	12	20	13	8	20	75	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	10	13	22	14	9	24	65	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	9	13	20	12	9	23	65	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	9	13	22	14	9	22	75	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	8	14	23	13	8	24	75	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	7	13	20	12	10	23	55	0	1	1	1	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	9	11	22	14	9	20	75	1	0	1	1	1	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	10	12	23	14	10	22	65	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	10	12	22	14	10	22	75	1	1	1	1	1	1	1

1	94	91	98	93	95	98	94
0	4	7	0	5	3	0	4
CO att	0.96	0.93	1.00	0.95	0.97	1.00	0.96

Avg Attn	0.9677
Attn Level	3

Avg Attn	0.96
Attn Level	3

Overall Course Outcome Attainment													
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)													
Direct CO attainment level	3												
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	3.00	3.00	0.00	3.00	0	1.00	0.00	1.00	0.00	0.00	0.00	
Overall (Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	3.00	3.00	3.00	0.00	3.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	1.17

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	0	0	0	
Overall (Direct) CO attainment level	3	3.00	3.00	
Attainment of PSO for this course	0	0.00	0.00	0.00

Mapping of CO with PO and PSO of Design and Analysis of Algorithm (Paper code: IT-501)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	2	1	-	2	2	3	2	3	-	2
CO2	3	2	1	1	2	-	-	3	3	1	1	3
CO3	3	2	3	2	1	-	-	2	3	2	2	2
CO4	3	3	2	1	-	-	-	3	3	2	2	2
CO5	3	1	1	1	3	-	-	2	3	1	2	2
CO6	3	2	1	1	-	-	-	2	2	-	2	1
AVERAGE	3.00	1.83	1.67	1.17	2.00	2.00	2.00	2.50	2.67	1.80	1.80	2.00
Average =sum/ number of entry												

Table 2

	PSO1	PSO2	PSO3
CO1	3	3	-
CO2	3	1	-
CO3	3	2	-
CO4	3	1	-
CO5	3	1	-
CO6	3	2	-
AVERAGE	3.00	1.67	0

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's CA1/CA2/CA3/CA4						Univ. Exam	Course Outcome Attainment with target in %						
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%					60%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		8	13	21	12	8	20	55	1	1	1	1	1	1	0
2	IT2016/071	11700216007	VIVEK KUMAR		7	13	20	11	8	20	45	0	1	1	0	1	1	0
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		7	10	20	13	7	20	45	0	0	1	1	0	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		9	11	23	13	9	22	65	1	0	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		9	11	22	12	9	21	55	1	0	1	1	1	1	0
6	IT2016/037	11700216011	TIASHA SARKAR		8	13	21	13	9	22	55	1	1	1	1	1	1	0
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	13	21	13	7	21	45	0	1	1	1	0	1	0
8	IT2016/081	11700216013	SWETA BOSE		9	14	23	15	8	24	75	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		10	13	24	14	9	23	75	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	12	21	12	10	22	65	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	13	23	14	9	24	75	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	14	23	13	10	23	75	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		8	14	20	12	8	20	55	1	1	1	1	1	1	0
14	IT2016/094	11700216019	SUBHOJEET BHADURI		8	13	20	12	8	20	55	1	1	1	1	1	1	0
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		9	13	24	14	9	23	75	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	13	23	13	10	24	75	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		10	13	24	15	9	23	75	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		7	14	20	14	8	21	55	0	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		10	13	24	15	9	24	75	1	1	1	1	1	1	1

20	IT2016/031	11700216025	SHUBHA GAYEN	9	13	22	14	8	23	65	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	9	12	20	13	7	21	55	1	1	1	1	0	1	0
22	IT2016/049	11700216027	SHREYA VATS	9	15	23	15	9	24	75	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	10	14	24	14	9	24	75	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	10	14	23	14	10	24	75	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	9	14	22	14	8	23	65	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	10	13	23	13	8	23	65	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	9	12	21	13	8	22	55	1	1	1	1	1	1	0
28	IT2016/029	11700216033	SANANDA PODDER	8	13	22	14	9	23	65	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	9	12	21	12	10	22	65	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	10	12	22	14	8	22	65	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	9	14	23	13	10	24	75	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	9	13	23	13	9	23	65	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	8	14	23	13	9	22	65	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	9	14	23	14	10	23	75	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	9	15	24	15	9	25	75	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	9	13	22	12	9	3	65	1	1	1	1	1	0	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	15	25	15	10	25	85	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	14	24	14	9	23	75	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	9	12	20	11	10	21	55	1	1	1	0	1	1	0
40	IT2016/077	11700216045	PUSPITA DAS	8	11	20	13	7	21	45	1	0	1	1	0	1	0
41	IT2016/092	11700216046	PRIYANKA DAS	9	14	23	14	9	23	65	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	13	24	14	9	24	75	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	13	21	14	8	22	65	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	22	13	9	22	65	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	14	21	12	9	23	65	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	10	13	24	15	10	25	85	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	10	12	24	15	9	25	85	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	23	14	9	23	75	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	14	23	14	10	23	75	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	13	23	13	10	23	75	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	9	13	21	13	9	22	55	1	1	1	1	1	1	0
53	IT2016/066	11700216058	LAKHAN KUMAR	9	14	23	13	10	23	65	1	1	1	1	1	1	1
54	IT2016/008	11700216059	KUNAL THAKUR	9	11	20	11	9	20	55	1	0	1	0	1	1	0
55	IT2016/045	11700216060	KUMARI RIYA	10	14	24	14	9	24	85	1	1	1	1	1	1	1
56	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	23	13	10	23	85	1	1	1	1	1	1	1
57	IT2016/076	11700216062	KUMAR ADITYA	8	12	20	14	6	20	55	1	1	1	1	0	1	0
58	IT2016/073	11700216063	KAVERI SAHA	8	14	22	12	10	22	65	1	1	1	1	1	1	1
59	IT2016/019	11700216064	INDRANI MAITY	8	12	20	12	8	21	65	1	1	1	1	1	1	1
60	IT2016/007	11700216065	HOZAIFA WAHID	9	12	21	12	9	22	55	1	1	1	1	1	1	0
61	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	13	8	23	65	1	1	1	1	1	1	1
62	IT2016/018	11700216067	HIMANSHU JAISWAL	9	13	23	13	9	23	75	1	1	1	1	1	1	1
63	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	14	23	13	8	24	75	1	1	1	1	1	1	1
64	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	13	23	13	8	22	75	1	1	1	1	1	1	1
65	IT2016/088	11700216070	ESHA GUPTA	8	13	21	11	9	22	55	1	1	1	0	1	1	0
66	IT2016/089	11700216071	DIPANJAN RAY	7	12	20	11	9	20	24	0	1	1	0	1	1	0
67	IT2016/043	11700216072	DEVESH DUGAR	8	14	22	13	9	23	75	1	1	1	1	1	1	1
68	IT2016/060	11700216073	DAMINI KUMARI	10	12	20	13	8	21	55	1	1	1	1	1	1	0
69	IT2016/015	11700216075	BITTU KUMAR	9	13	22	14	8	22	75	1	1	1	1	1	1	1
70	IT2016/040	11700216076	BIKRAM MITRA	8	12	21	13	8	21	65	1	1	1	1	1	1	1
71	IT2016/009	11700216077	BIDISHA MONDAL	9	12	22	12	8	21	65	1	1	1	1	1	1	1
72	IT2016/095	11700216078	AYUSH PARWAL	9	11	20	12	9	20	55	1	0	1	1	1	1	0
73	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	12	22	13	9	23	65	1	1	1	1	1	1	1
74	IT2016/090	11700216080	AVIK DATTA	9	11	20	12	9	21	55	1	0	1	1	1	1	0
75	IT2016/016	11700216081	AVIJIT DAS	8	13	22	12	10	22	75	1	1	1	1	1	1	1
76	IT2016/032	11700216082	ATANU GHARA	9	14	23	13	10	23	75	1	1	1	1	1	1	1
77	IT2016/041	11700216083	ASHISH JAISWAL	9	14	22	13	10	23	75	1	1	1	1	1	1	1
78	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	12	20	13	6	20	55	1	1	1	1	0	1	0
79	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	14	23	14	9	23	75	1	1	1	1	1	1	1
80	IT2016/017	11700216086	ARNAB DAS	9	13	24	14	10	24	75	1	1	1	1	1	1	1

81	IT2016/054	11700216087	ARIHANT RAJ	8	13	23	13	9	23	75	1	1	1	1	1	1	1
82	IT2016/001	11700216088	ARGHYA MRIDHA	8	12	20	10	8	20	55	1	1	1	0	1	1	0
83	IT2016/033	11700216089	ARGHADEEP MONDAL	9	11	20	12	8	20	55	1	0	1	1	1	1	0
84	IT2016/091	11700216091	ANWESHA SAHA	9	14	22	12	8	22	65	1	1	1	1	1	1	1
85	IT2016/012	11700216092	ANUMITA SAHA	8	11	20	11	9	20	55	1	0	1	0	1	1	0
86	IT2016/072	11700216093	ANSHUMAN BAKSHI	8	13	20	12	9	21	65	1	1	1	1	1	1	1
87	IT2016/084	11700216094	ANKITA SAHA	9	12	22	13	9	23	75	1	1	1	1	1	1	1
88	IT2016/068	11700216095	ANKITA DATTA	7	13	20	13	7	21	55	0	1	1	1	0	1	0
89	IT2016/074	11700216096	AMIT KUMAR	9	11	20	13	7	22	65	1	0	1	1	0	1	1
90	IT2016/051	11700216097	AMAN KUMAR	9	13	22	13	9	23	75	1	1	1	1	1	1	1
91	IT2016/044	11700216098	AMAN JAISWAL	8	12	20	13	8	20	55	1	1	1	1	1	1	0
92	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	7	13	22	14	9	21	65	0	1	1	1	1	1	1
93	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	13	20	12	9	23	65	1	1	1	1	1	1	1
94	IT2017/L01	11700217001	SUTANUKA DAS	9	13	22	13	9	23	75	1	1	1	1	1	1	1
95	IT2017/L06	11700217002	SNEHA YADAV	8	14	23	13	8	23	75	1	1	1	1	1	1	1
96	IT2017/L03	11700217003	RUMELI BANERJEE	7	13	20	12	9	20	55	0	1	1	1	1	1	0
97	IT2017/L02	11700217004	DEBJIT BHATTA	9	11	22	14	8	23	75	1	0	1	1	1	1	1
98	IT2017/L05	11700217005	DEBALINA MAITI	10	12	23	14	7	22	65	1	1	1	1	0	1	1
99	IT2017/L04	11700217006	ANWESHA DEY	10	13	22	13	8	22	75	1	1	1	1	1	1	1
										1	90	87	98	91	89	97	69
										0	8	11	0	7	9	1	29
										CO attn	0.92	0.89	1.00	0.93	0.91	0.99	0.70

Avg Attn	0.939
Attn Level	3

Avg Attn	0.70
Attn Level	2

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	2.5

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	1.83	1.67	1.17	2.00	2.00	2.00	2.50	2.67	1.80	1.80	2.00	
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Attainment of PO for this course	2.50	1.53	1.39	0.97	1.67	1.67	1.67	2.08	2.22	1.50	1.50	1.67	**1.70**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	1.67	0.00	
Overall(Direct) CO attainment level	2.5	2.50	2.5	
Attainment of PSO for this course	2.5	1.39	0	**1.30**

Mapping of CO with PO and PSO of Computer Architecture (Paper code: IT502)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	2	2	-	2	1	1	2	3	1	2
CO2	3	2	1	2	2	-	-	-	2	1	-	2
CO3	3	2	3	1	-	-	-	1	2	2	-	2
CO4	3	2	2	2	-	-	-	-	2	2	-	2
CO5	3	2	1	2	3	-	-	-	2	1	-	2
CO6	3	2	3	2	-	-	-	-	2	-	-	1
AVERAGE.	3.00	1.83	2.00	1.83	2.50	1.00	1.00	1.00	1.50	1.80	1.00	1.83

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	1
CO2	3	2	1
CO3	3	2	1
CO4	3	2	1
CO5	3	2	1
CO6	3	2	1
AVERAGE	3.00	2.17	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam	Course Outcome Attainment with target in %						
				CA1/CA2/CA3/CA4													
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						60%	80%					
1	IT2016/034	11700216006	YASH AGARWAL		10	15	22	15	10	22	85	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		10	13	20	12	10	21	75	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		7	10	16	9	7	15	55	0	0	0	0	0	0	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	15	22	15	10	22	85	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		8	12	17	12	8	18	65	1	1	0	1	1	0	1
6	IT2016/037	11700216011	TIASHA SARKAR		8	12	18	11	8	18	65	1	1	0	0	1	0	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		8	11	17	11	8	17	65	1	0	0	0	1	0	1
8	IT2016/081	11700216013	SWETA BOSE		9	13	21	12	10	20	75	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		10	13	20	12	9	20	75	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		9	13	20	12	10	20	75	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		9	11	17	11	8	18	65	1	0	0	0	1	0	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		10	13	20	13	10	20	75	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		8	12	18	11	9	18	65	1	1	0	0	1	0	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		8	12	18	11	8	17	65	1	1	0	0	1	0	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	13	20	12	9	21	75	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		10	12	17	12	8	17	65	1	1	0	1	1	0	1
17	IT2016/038	11700216022	SOMA ROY		9	12	18	12	8	18	65	1	1	0	1	1	0	1
18	IT2016/058	11700216023	SK MD FARUK		6	9	13	8	7	12	45	0	0	0	0	0	0	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		6	8	12	8	7	12	45	0	0	0	0	0	0	0
20	IT2016/031	11700216025	SHUBHA GAYEN		7	9	15	9	8	15	55	0	0	0	0	1	0	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		10	12	17	11	8	18	65	1	1	0	0	1	0	1
22	IT2016/049	11700216027	SHREYA VATS		10	11	18	12	9	18	65	1	0	0	1	1	0	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		7	9	15	9	7	15	55	0	0	0	0	0	0	0
24	IT2016/021	11700216029	SHASHANK ROY		10	12	21	13	9	20	75	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		6	8	13	9	6	13	45	0	0	0	0	0	0	0
26	IT2016/046	11700216031	SAYON MOULIK		10	11	18	12	8	17	65	1	0	0	1	1	0	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		7	10	16	9	8	16	55	0	0	0	0	1	0	0
28	IT2016/029	11700216033	SANANDA PODDER		10	11	17	11	8	17	65	1	0	0	0	1	0	1
29	IT2016/030	11700216034	SAMRAT HALDER		10	10	15	9	8	16	55	1	0	0	0	1	0	0
30	IT2016/002	11700216035	RONAK BARMAN		10	10	15	9	8	15	55	1	0	0	0	1	0	0
31	IT2016/036	11700216036	ROHIT SINGH		10	12	21	13	10	20	75	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		10	12	20	12	10	20	75	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		9	11	18	11	8	18	65	1	0	0	0	1	0	1
34	IT2016/004	11700216039	RIBHU GHOSH		10	12	20	12	10	20	75	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		9	12	18	12	8	17	65	1	1	0	1	1	0	1
36	IT2016/069	11700216041	RAJARSHI DAS		8	12	18	11	8	18	65	1	1	0	0	1	0	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		8	12	15	9	7	15	55	1	1	0	0	0	0	0
38	IT2016/042	11700216043	RAHUL KARMAKAR		9	11	17	11	9	18	65	1	0	0	0	1	0	1
39	IT2016/011	11700216044	RAHUL BARMAN		10	12	21	13	9	21	75	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		10	15	23	14	10	22	85	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS		9	13	20	13	10	21	75	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		8	12	18	11	9	17	65	1	1	0	0	1	0	1
43	IT2016/093	11700216048	PRITAM MANNA		9	11	17	12	9	18	65	1	0	0	1	1	0	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		10	13	20	13	10	21	75	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY		10	12	21	13	10	20	75	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		9	12	18	11	9	17	65	1	1	0	0	1	0	1
47	IT2016/010	11700216052	PIYUSH KUMAR		9	12	21	13	9	20	75	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		8	12	18	11	8	18	65	1	1	0	0	1	0	1
49	IT2016/085	11700216054	PAROMITA PODDAR		9	12	17	11	8	17	65	1	1	0	0	1	0	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		8	9	16	9	7	15	55	1	0	0	0	0	0	0
51	IT2016/062	11700216056	MD MUZAMMIL		8	11	17	12	8	18	65	1	0	0	1	1	0	1
52	IT2016/066	11700216058	LAKHAN KUMAR		8	12	18	11	9	17	65	1	1	0	0	1	0	1
53	IT2016/008	11700216059	KUNAL THAKUR		9	12	17	11	9	18	65	1	1	0	0	1	0	1
54	IT2016/045	11700216060	KUMARI RIYA		10	13	20	13	10	20	75	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV		10	13	21	12	10	21	75	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA		8	9	16	9	7	16	55	1	0	0	0	0	0	0
57	IT2016/073	11700216063	KAVERI SAHA		8	11	18	11	8	17	65	1	0	0	0	1	0	1
58	IT2016/019	11700216064	INDRANI MAITY		9	12	17	12	8	18	65	1	1	0	1	1	0	1
59	IT2016/007	11700216065	HOZAIFA WAHID		10	13	21	12	10	20	75	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN		10	12	21	13	9	21	75	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL		9	11	18	11	9	17	65	1	0	0	0	1	0	1

62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	10	12	21	12	9	20	75	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	10	15	23	14	10	22	85	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	10	13	21	12	9	21	75	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	10	12	21	13	10	21	75	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	9	12	18	11	9	17	65	1	1	0	0	1	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	12	21	12	9	20	75	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	10	13	20	12	9	21	75	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	10	15	23	15	10	23	85	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	12	21	13	9	20	75	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	10	14	23	15	10	23	85	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	8	11	18	11	8	17	65	1	0	0	0	1	0	1
73	IT2016/090	11700216080	AVIK DATTA	7	9	16	9	7	15	55	0	0	0	0	0	0	0
74	IT2016/016	11700216081	AVIJIT DAS	9	12	18	11	9	17	65	1	1	0	0	1	0	1
75	IT2016/032	11700216082	ATANU GHARA	9	11	18	12	8	18	65	1	0	0	1	1	0	1
76	IT2016/041	11700216083	ASHISH JAISWAL	10	13	20	12	10	21	75	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	15	23	15	10	22	85	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	10	14	23	15	10	23	85	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	9	12	18	11	8	17	65	1	1	0	0	1	0	1
80	IT2016/054	11700216087	ARIHANT RAJ	10	14	22	15	10	22	85	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	7	9	12	9	7	12	45	0	0	0	0	0	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	7	10	16	10	8	15	55	0	0	0	0	1	0	0
83	IT2016/091	11700216091	ANWESHA SAHA	10	12	18	12	8	18	65	1	1	0	1	1	0	1
84	IT2016/012	11700216092	ANUMITA SAHA	8	9	16	10	7	16	55	1	0	0	0	0	0	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	10	12	21	12	9	21	75	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	10	15	23	14	10	23	85	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	10	14	22	14	10	22	85	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	8	12	17	12	8	18	65	1	1	0	1	1	0	1
89	IT2016/051	11700216097	AMAN KUMAR	8	12	17	11	9	17	65	1	1	0	0	1	0	1
90	IT2016/044	11700216098	AMAN JAISWAL	8	12	17	12	8	18	65	1	1	0	1	1	0	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	10	13	20	12	9	21	75	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	10	13	20	13	10	21	75	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	7	10	16	9	7	16	55	0	0	0	0	0	0	0
94	IT2017/L06	11700217002	SNEHA YADAV	8	9	15	9	8	16	55	1	0	0	0	1	0	0
95	IT2017/L03	11700217003	RUMELI BANERJEE	7	9	16	9	8	15	55	0	0	0	0	1	0	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	2	2	2	2	2	1	0	0	0	0	0	0	0	0
97	IT2017/L05	11700217005	DEBALINA MAITI	8	9	15	10	8	15	55	1	0	0	0	1	0	0
98	IT2017/L04	11700217006	ANWESHA DEY	10	14	22	15	10	22	85	1	1	1	1	1	1	1

1	85	65	41	54	85	41	77
0	13	33	57	44	13	57	21
CO attn	0.87	0.66	0.42	0.55	0.87	0.42	0.79

Avg Attn	0.63
Attn Level	1

Avg Attn	0.79
Attn Level	2

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	1.5

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	1.83	2.00	1.83	2.50	1.00	1.00	1.00	1.50	1.80	1.00	1.83	
Overall(Direct) CO attainment level	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
Attainment of PO for this course	1.50	0.92	1.00	0.92	1.25	0.50	0.50	0.50	0.75	0.90	0.50	0.92	**0.85**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	2.17	1.00	
Overall (Direct) CO attainment level	1.5	1.50	1.5	
Attainment of PSO for this course	1.5	1.08	0.50	**1.03**

Mapping of CO with PO and PSO of Operating System (Paper code: IT-503)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	-	-	1	1	-	-	-	-	2
CO2	3	2	1	1	2	-	-	-	-	1	-	2
CO3	3	2	3	1	1	-	-	-	-	1	-	2
CO4	3	3	3	3	2	1	1	-	-	2	-	2
CO5	3	2	1	1	3	1	-	-	-	1	-	2
CO6	3	2	2	1	-	-	-	-	-	1	-	2
AVERAGE	3.00	2.00	1.83	1.40	2.00	1.00	1.00	0	0	1.20	0	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	2	2	1
CO2	2	2	1
CO3	3	2	1
CO4	3	3	2
CO5	3	3	2
CO6	2	2	1
AVERAGE	2.50	2.33	1.33

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam							
				CA1/CA2/CA3/CA4													
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
			Marks Distribution	10	15	25	25	15	10	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						60%	80%					
1	IT2016/034	11700216006	YASH AGARWAL		8	13	21	22	12	8	75	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	13	20	21	12	9	55	0	1	1	1	1	1	0
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		8	11	20	20	13	9	45	1	0	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	12	23	22	14	10	75	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	11	22	21	14	10	75	1	0	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		8	13	21	22	13	10	65	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	13	21	23	12	8	65	0	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		9	14	23	20	12	7	75	1	1	1	1	1	0	1
9	IT2016/028	11700216014	SWARNALI ROY		10	13	24	21	13	8	75	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	12	21	22	14	9	65	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	13	23	19	14	9	65	1	1	1	0	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	14	23	23	14	10	75	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		6	14	20	22	11	9	65	0	1	1	1	0	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		7	13	19	22	12	9	75	0	1	0	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	13	24	21	11	8	65	1	1	1	1	0	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	14	23	23	12	7	65	1	1	1	1	1	0	1
17	IT2016/038	11700216022	SOMA ROY		10	13	24	22	12	10	55	1	1	1	1	1	1	0
18	IT2016/058	11700216023	SK MD FARUK		7	14	20	20	12	10	55	0	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		10	13	24	21	12	10	55	1	1	1	1	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN		9	13	22	22	12	9	55	1	1	1	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	12	20	21	13	9	75	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		9	15	23	22	14	9	65	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		10	14	24	23	14	8	65	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		10	14	23	22	12	8	55	1	1	1	1	1	1	0
25	IT2016/053	11700216030	SHAHZEB AKHTAR		9	14	22	20	14	9	45	1	1	1	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK		10	13	23	20	14	10	65	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		9	12	21	21	12	10	75	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		8	13	22	22	14	9	65	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		9	12	21	21	12	9	65	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		10	12	22	23	11	9	55	1	1	1	1	0	1	0

31	IT2016/036	11700216036	ROHIT SINGH	9	14	23	22	12	9	65	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	9	13	23	24	11	9	65	1	1	1	1	0	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	8	14	23	22	12	7	65	1	1	1	1	1	0	1
34	IT2016/004	11700216039	RIBHU GHOSH	9	14	23	21	13	9	75	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	9	15	24	20	13	10	65	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	9	13	22	22	12	10	65	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	15	25	21	14	9	65	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	14	24	22	14	9	65	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	9	12	20	23	13	9	65	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	8	11	20	21	13	8	75	1	0	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	9	14	23	22	13	8	75	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	13	24	20	12	10	65	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	13	21	22	14	10	55	1	1	1	1	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	22	22	14	9	75	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	14	21	20	12	9	55	1	1	1	1	1	1	0
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	10	13	24	18	14	9	65	1	1	1	0	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	10	12	24	20	12	9	65	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	23	22	12	9	65	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	14	23	23	13	9	65	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	13	23	22	13	9	65	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	9	13	21	22	14	10	65	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	9	14	23	21	15	7	65	1	1	1	1	1	0	1
53	IT2016/008	11700216059	KUNAL THAKUR	9	11	20	22	15	10	65	1	0	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	10	14	24	21	14	10	75	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	23	24	14	10	75	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	12	20	22	12	10	55	1	1	1	1	1	1	0
57	IT2016/073	11700216063	KAVERI SAHA	8	14	22	21	11	9	55	1	1	1	1	0	1	0
58	IT2016/019	11700216064	INDRANI MAITY	8	12	20	20	8	9	85	1	1	1	1	0	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	9	12	21	22	12	9	75	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	21	12	9	75	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	13	23	21	11	9	55	1	1	1	1	0	1	0
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	14	23	20	14	9	75	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	13	23	23	14	9	75	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	13	21	24	14	9	75	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	12	20	23	14	8	75	0	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	8	14	22	22	14	8	75	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	12	20	21	12	10	65	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	9	13	22	22	12	10	75	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	8	12	21	22	13	10	75	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	9	12	22	21	13	10	75	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	11	20	24	12	9	85	1	0	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	12	22	21	11	9	65	1	1	1	1	0	1	1
73	IT2016/090	11700216080	AVIK DATTA	9	11	20	23	12	9	55	1	0	1	1	1	1	0
74	IT2016/016	11700216081	AVIJIT DAS	8	13	22	23	12	9	75	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	14	23	22	13	7	65	1	1	1	1	1	0	1
76	IT2016/041	11700216083	ASHISH JAISWAL	9	14	22	24	13	9	65	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	12	20	21	13	8	75	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	14	23	22	11	9	75	1	1	1	1	0	1	1
79	IT2016/017	11700216086	ARNAB DAS	9	13	24	21	14	9	75	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	13	23	24	14	9	65	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	12	20	21	12	10	55	1	1	1	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	13	20	21	12	10	55	1	1	1	1	1	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	9	13	22	22	13	10	55	1	1	1	1	1	1	0
84	IT2016/012	11700216092	ANUMITA SAHA	8	12	20	23	14	10	65	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	8	13	20	20	14	9	75	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	9	12	22	21	14	9	75	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	7	13	20	21	14	7	85	0	1	1	1	1	0	1
88	IT2016/074	11700216096	AMIT KUMAR	9	11	20	23	11	6	65	1	0	1	1	0	0	1
89	IT2016/051	11700216097	AMAN KUMAR	9	13	22	22	12	10	65	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	8	12	20	21	13	10	65	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	7	13	22	22	12	9	65	0	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	13	20	21	12	9	65	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	9	13	22	22	10	9	65	1	1	1	1	0	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	8	14	23	21	12	9	65	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	7	13	20	21	12	8	55	0	1	1	1	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	9	11	22	23	12	10	45	1	0	1	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	9	12	23	21	13	9	65	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	8	10	18	17	9	6	75	1	0	0	0	0	0	1

1	89	89	96	95	86	90	78
0	9	9	2	3	12	8	20
CO attn	0.91	0.82	0.89	0.88	0.80	0.83	0.72

Avg Attn	0.855
Attn Level	3

Avg Attn	0.72
Attn Level	2

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	2.5											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	3.00	2.00	1.83	1.40	2.00	1.00	1.00	0	0	1.20	0	2.00
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Attainment of PO for this course	2.50	1.67	1.53	1.17	1.67	0.83	0.83	0.00	0.00	1.00	0.00	1.67	**1.07**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.50	2.33	1.33	
Overall (Direct) CO attainment level	2.5	2.50	2.50	
Attainment of PSO for this course	2.08	1.94	1.11	**1.71**

Mapping of CO with PO and PSO of Programming Practices using C++ (Paper code: IT504F)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	2	2	1	-	-	2	-	1	2
CO2	3	3	3	2	2	-	-	-	1	-	2	2
CO3	3	3	3	2	1	-	-	-	3	-	2	2
CO4	3	3	3	2	1	-	-	-	3	-	2	2
CO5	3	3	3	2	2	-	-	-	2	-	2	2
CO6	3	3	3	2	3	2	2	2	3	3	3	2
AVERAGE	3.00	2.83	3.00	2.00	1.83	1.50	2.00	2.00	2.33	3.00	2.00	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	2	3
CO2	3	2	3
CO3	3	2	3
CO4	3	2	3
CO5	3	2	3
CO6	3	3	3
AVERAGE	3.00	2.17	3.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's													
					CA1/CA2/CA3/CA4						Univ. Exam	Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	10	25	25	15	15	10	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						60%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		8	25	21	15	14	8	65	1	1	0	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		6	25	20	15	14	7	65	0	1	1	1	1	0	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		8	20	20	14	14	8	55	1	1	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	22	23	15	9	10	75	1	1	1	1	0	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	21	22	14	15	10	65	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		8	21	21	15	15	8	55	1	1	1	1	1	1	0
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		6	25	21	14	14	7	75	0	1	1	1	1	0	1
8	IT2016/081	11700216013	SWETA BOSE		9	25	23	15	14	9	65	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		10	25	24	15	15	10	75	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	25	21	15	14	10	75	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	25	23	15	15	10	75	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	24	23	15	15	9	75	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		6	25	20	15	14	6	65	0	1	1	1	1	0	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		7	23	20	14	14	7	75	0	1	1	1	1	0	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	23	24	15	15	10	65	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		7	14	23	15	14	9	55	0	0	1	1	1	1	0
17	IT2016/038	11700216022	SOMA ROY		10	13	24	13	14	10	55	1	0	1	1	1	1	0

18	IT2016/058	11700216023	SK MD FARUK	6	14	20	15	14	7	55	0	0	1	1	1	0	0
19	IT2016/014	11700216024	SIDDHANT SAHANI	10	13	24	14	14	10	45	1	0	1	1	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN	6	13	22	14	14	9	65	0	0	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	9	12	20	15	13	9	75	1	0	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	9	15	23	13	15	9	75	1	0	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	10	14	24	14	14	10	65	1	0	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	10	14	23	14	14	10	75	1	0	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	7	14	22	14	14	9	55	0	0	1	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK	10	13	23	13	15	10	85	1	0	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	5	12	21	15	13	9	85	0	0	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	8	13	22	15	14	8	75	1	0	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	9	12	21	14	14	9	75	1	0	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	10	12	22	15	14	10	55	1	0	1	1	1	1	0
31	IT2016/036	11700216036	ROHIT SINGH	9	14	23	14	15	9	75	1	0	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	9	13	23	15	14	9	75	1	0	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	8	14	23	14	15	8	75	1	0	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	9	14	23	14	14	9	65	1	0	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	9	15	24	13	15	9	65	1	0	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	9	13	22	15	15	9	75	1	0	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	15	25	15	15	10	75	1	0	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	14	24	14	13	9	65	1	0	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	9	12	20	14	14	9	75	1	0	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	8	11	20	14	14	8	65	1	0	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	9	14	23	13	15	9	65	1	0	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	13	24	13	14	9	75	1	0	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	13	21	14	14	9	65	1	0	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	22	15	14	9	65	1	0	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	14	21	14	15	8	65	1	0	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	6	13	24	14	14	10	65	0	0	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	7	12	24	13	15	10	75	0	0	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	23	15	15	8	75	1	0	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	14	23	15	15	9	65	1	0	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	13	23	14	14	10	75	1	0	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	9	13	21	15	13	9	75	1	0	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	9	14	23	13	13	9	75	1	0	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	9	11	20	14	13	9	65	1	0	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	6	14	24	14	15	10	85	0	0	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	7	13	23	15	14	10	85	0	0	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	12	20	15	15	8	75	1	0	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	7	14	22	13	14	8	65	0	0	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	12	20	14	13	8	75	1	0	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	10	12	21	15	15	9	85	1	0	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	14	14	9	75	1	0	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	13	23	14	14	9	75	1	0	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	8	14	23	15	13	9	65	1	0	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	13	23	15	15	9	75	1	0	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	13	21	15	14	8	75	1	0	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	12	20	15	15	7	85	0	0	1	1	1	0	1
66	IT2016/043	11700216072	DEVESH DUGAR	7	14	22	14	14	8	55	0	0	1	1	1	1	0
67	IT2016/060	11700216073	DAMINI KUMARI	10	12	20	13	14	10	65	1	0	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	9	13	22	13	13	9	65	1	0	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	8	12	21	14	13	8	75	1	0	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	9	12	22	15	15	9	65	1	0	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	6	11	20	15	15	9	75	0	0	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	12	22	14	14	9	75	1	0	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	7	11	20	14	14	9	85	0	0	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	8	13	22	15	15	8	85	1	0	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	14	23	14	14	9	65	1	0	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	9	14	22	15	15	9	75	1	0	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	12	20	15	15	9	85	1	0	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	8	14	23	15	15	9	75	1	0	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	9	13	24	15	15	9	75	1	0	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	13	23	14	14	8	75	1	0	1	1	1	1	1

81	IT2016/001	11700216088	ARGHYA MRIDHA	8	12	20	14	15	8	55	1	0	1	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	13	20	14	14	9	55	1	0	1	1	1	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	9	13	22	15	15	9	85	1	0	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	8	12	20	15	15	8	55	1	0	1	1	1	1	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	8	13	20	14	13	8	75	1	0	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	9	12	22	15	15	9	75	1	0	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	7	13	20	14	15	7	85	0	0	1	1	1	0	1
88	IT2016/074	11700216096	AMIT KUMAR	9	11	20	13	14	9	65	1	0	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	13	22	14	13	9	75	1	0	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	8	12	20	14	14	8	65	1	0	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	7	13	22	14	14	7	75	0	0	1	1	1	0	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	13	20	13	15	8	75	1	0	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	9	13	22	14	13	9	55	1	0	1	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	6	14	23	13	14	8	75	0	0	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	7	13	20	13	14	7	55	0	0	1	1	1	0	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	9	11	22	14	13	9	45	1	0	1	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	7	12	23	14	13	10	75	0	0	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	7	12	22	14	13	10	75	0	0	1	1	1	1	1

1	74	15	97	98	97	89	83
0	24	83	1	0	1	9	15
CO attn	0.76	0.15	0.99	1.00	0.99	0.91	0.85

Avg Attn	0.799
Attn Level	2

Avg Attn	0.85
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	2.5

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.83	3.00	2.00	1.83	1.50	2.00	2.00	2.33	3.00	2.00	2.00	
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Attainment of PO for this course	2.50	2.36	2.50	1.67	1.53	1.25	1.67	1.67	1.94	2.50	1.67	1.67	**1.91**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	2.17	3.00	
Overall (Direct) CO attainment level	2.50	2.50	2.50	
Attainment of PSO for this course	2.50	1.81	2.50	**2.15**

Mapping of CO with PO and PSO of Algorithms Laboratory (Paper code: IT591)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	1	1	-	-	-	-	-	-	1
CO2	3	3	3	2	3	-	-	2	-	-	-	2
CO3	3	3	3	2	3	-	-	2	1	-	-	2
CO4	3	3	3	2	3	-	-	2	-	-	1	2
CO5	3	3	3	2	3	-	-	1	1	-	1	2
CO6	3	3	2	1	1	-	-	-	1	-	-	1
AVERAGE	3.00	3.00	2.83	1.67	2.33	0	0	1.75	1.00	0	1.00	1.67

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	-
CO2	3	1	-
CO3	3	2	-
CO4	3	3	-
CO5	3	3	-
CO6	3	3	-
AVERAGE	3.00	2.50	0

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of students attaining course outcomes and attainment level

					ALL PCA's													
					PCA1			PCA2			Univ. Exam							
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						60%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		15	14	9	14	15	9	55	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		13	13	8	12	13	8	40	1	1	1	1	1	1	0
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		12	13	9	12	12	8	45	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		14	15	9	15	14	9	56	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		14	15	10	14	15	9	57	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		15	14	9	14	14	8	50	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		13	13	8	12	13	8	46	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		15	15	10	14	15	9	55	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		12	12	8	13	12	8	41	1	1	1	1	1	1	0
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		12	12	8	12	12	7	35	1	1	1	1	1	0	0
11	IT2016/013	11700216016	SUSTHIT BISWAS		12	13	9	12	13	8	44	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		15	14	9	15	14	9	56	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		12	13	8	12	13	8	45	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		15	14	10	14	15	9	57	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		14	15	10	15	14	9	57	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		15	15	9	14	15	9	55	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		15	14	9	15	14	8	56	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		12	13	8	12	12	8	41	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		14	15	9	14	15	9	57	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		14	15	8	15	14	8	51	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		13	12	8	12	13	8	46	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		14	15	9	15	14	9	52	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		15	14	9	14	15	9	55	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		14	15	10	15	14	9	57	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		15	14	10	14	15	9	55	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		15	15	9	15	14	10	56	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		12	12	8	13	12	8	40	1	1	1	1	1	1	0
28	IT2016/029	11700216033	SANANDA PODDER		12	13	8	12	13	8	44	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		13	11	8	12	12	7	35	1	0	1	1	1	0	0
30	IT2016/002	11700216035	RONAK BARMAN		14	15	9	15	14	9	55	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		14	13	8	14	15	9	41	1	1	1	1	1	1	0
32	IT2016/048	11700216037	RITWIKA BANERJEE		15	14	9	14	14	9	53	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		15	14	9	15	14	9	52	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		15	15	10	15	15	10	58	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		15	14	8	14	15	10	52	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		13	12	9	12	12	8	45	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		13	15	8	15	14	9	57	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		14	15	9	14	15	9	56	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		12	12	9	12	12	8	46	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		12	11	8	11	12	6	35	1	0	1	0	1	0	0
41	IT2016/092	11700216046	PRIYANKA DAS		15	15	9	15	14	9	55	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		15	14	10	15	14	10	57	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA		15	15	9	14	14	9	55	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		15	14	9	15	14	9	53	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY		12	11	8	12	12	8	35	1	0	1	1	1	1	0
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		14	15	9	14	14	9	55	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR		12	14	9	13	12	9	46	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		12	13	8	11	12	8	40	1	1	1	0	1	1	0
49	IT2016/085	11700216054	PAROMITA PODDAR		12	13	8	12	12	9	47	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		12	13	8	12	12	8	41	1	1	1	1	1	1	0
51	IT2016/062	11700216056	MD MUZAMMIL		12	11	8	12	13	9	40	1	0	1	1	1	1	0
52	IT2016/066	11700216058	LAKHAN KUMAR		12	12	8	13	12	8	46	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR		13	13	8	13	12	8	45	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA		14	15	10	15	14	10	57	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV		14	15	9	14	14	9	56	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA		13	12	8	11	12	9	41	1	1	1	0	1	1	0
57	IT2016/073	11700216063	KAVERI SAHA		15	14	9	15	14	10	51	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY		12	12	8	12	13	8	45	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID		13	12	8	13	11	7	35	1	1	1	1	0	0	0
60	IT2016/079	11700216066	HIMANSHU SHARAN		14	15	9	14	15	9	52	1	1	1	1	1	1	1

61	IT2016/018	11700216067	HIMANSHU JAISWAL	15	14	9	15	15	9	57	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	14	15	9	15	14	9	51	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	14	15	10	14	15	9	55	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	12	12	7	11	10	7	35	1	1	0	0	0	0	0
65	IT2016/089	11700216071	DIPANJAN RAY	12	10	7	12	10	6	28	1	0	0	1	0	0	0
66	IT2016/043	11700216072	DEVESH DUGAR	11	12	8	12	11	7	46	0	1	1	1	0	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	12	12	8	12	13	9	47	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	12	13	9	12	13	8	45	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	15	14	9	15	14	9	50	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	12	13	8	13	13	8	49	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	14	15	9	14	15	8	51	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	14	15	9	14	15	10	56	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	14	15	9	14	14	9	55	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	15	15	9	14	15	9	55	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	14	15	9	14	14	10	56	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	14	15	9	14	14	9	55	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	13	10	8	13	12	7	35	1	0	1	1	1	1	0
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	15	14	10	15	14	9	57	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	14	15	10	13	14	9	57	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	15	14	9	14	15	9	56	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	12	13	8	13	12	9	41	1	1	1	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	14	15	10	15	14	9	52	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	12	12	9	13	12	9	46	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	12	13	8	13	13	8	40	1	1	1	1	1	1	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	12	11	8	12	10	7	35	1	0	1	1	0	0	0
86	IT2016/084	11700216094	ANKITA SAHA	14	15	9	14	15	9	53	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	12	13	9	13	12	8	47	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	12	13	8	12	12	9	40	1	1	1	1	1	1	0
89	IT2016/051	11700216097	AMAN KUMAR	12	12	8	13	13	8	45	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	12	12	9	14	13	8	41	1	1	1	1	1	1	0
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	15	13	9	15	13	9	41	1	1	1	1	1	1	0
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	14	15	8	13	12	8	46	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	12	12	8	12	13	9	47	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	13	12	9	13	13	8	45	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	12	13	8	13	12	9	40	1	1	1	1	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	13	12	9	13	13	8	46	1	1	1	1	1	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	12	12	8	12	13	9	45	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	12	12	8	12	13	8	41	1	1	1	1	1	1	0

1	97	91	96	94	93	90	73
0	1	7	2	4	5	8	25
CO attn	0.99	0.93	0.98	0.96	0.95	0.92	0.74

Avg Attn	0.95
Attn Level	3

Avg Attn	0.74
Attn Level	2

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level 2.4

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	3.00	2.83	1.67	2.33	0	0	1.75	1.00	0	1.00	1.67	
Overall(Direct) CO attainment level	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
Attainment of PO for this course	2.40	2.40	2.27	1.33	1.87	0.00	0.00	1.40	0.80	0.00	0.80	1.33	**1.22**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	2.50	0	
Overall(Direct) CO attainment level	2.4	2.4	2.4	
Attainment of PSO for this course	2.40	2.00	0.00	**1.47**

Mapping of CO with PO and PSO of Computer Architecture Lab (Paper code: IT592)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	2	1	1	-	-	-	-	1	1	1
CO2	1	1	1	1	1	-	-	-	-	1	-	1
CO3	2	1	1	1	1	-	-	-	-	1	-	1
CO4	1	1	1	1	1	-	-	-	-	1	-	1
CO5	1	1	1	1	1	-	-	-	-	1	-	1
CO6	1	1	3	1	3	-	-	-	2	2	2	1
AVERAGE	1.33	1.00	1.50	1.00	1.33	0.00	0.00	0.00	2.00	1.17	1.50	1.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	-	1
CO2	3	-	1
CO3	3	-	1
CO4	3	-	1
CO5	3	-	1
CO6	3	1	1
AVERAGE	3.00	1.00	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

Sl No	Class Roll	Univ Roll	Name		ALL PCA's						Univ. Exam	Course Outcome Attainment with target in %						
					PCA1			PCA2										
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
				Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		14	14	10	15	15	10	50	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		15	15	10	15	15	10	56	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		13	12	9	12	12	9	44	1	1	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		15	15	10	15	15	10	56	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		14	15	10	14	14	10	50	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		15	15	10	15	15	10	56	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		13	13	10	12	12	10	44	1	1	1	1	1	1	0
8	IT2016/081	11700216013	SWETA BOSE		15	15	10	15	15	10	56	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		15	14	10	14	14	10	50	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		15	15	10	15	15	10	56	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		14	15	10	14	14	10	50	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		15	15	10	15	14	10	50	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		15	15	10	15	15	10	50	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		12	12	10	13	12	9	44	1	1	1	1	1	1	0
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		12	12	10	13	12	10	44	1	1	1	1	1	1	0
16	IT2016/057	11700216021	SREJITA SAHA		15	14	10	14	15	10	50	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		15	15	10	14	15	10	50	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		13	13	9	13	12	9	44	1	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		13	13	9	13	13	10	44	1	1	1	1	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN		15	14	10	15	15	10	50	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		15	15	10	14	14	10	50	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		15	15	10	15	14	10	50	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		12	13	9	13	12	10	44	1	1	1	1	1	1	0
24	IT2016/021	11700216029	SHASHANK ROY		14	15	10	14	14	10	50	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		13	13	9	12	12	10	44	1	1	1	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK		15	15	10	15	15	10	56	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		14	14	10	14	14	10	50	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		15	15	10	15	14	10	50	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		13	12	9	13	12	9	44	1	1	1	1	1	1	0
30	IT2016/002	11700216035	RONAK BARMAN		14	14	10	14	14	10	50	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		14	15	10	14	14	10	50	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		15	15	10	15	15	10	56	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		12	12	10	13	13	10	44	1	1	1	1	1	1	0
34	IT2016/004	11700216039	RIBHU GHOSH		15	15	10	15	15	10	56	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		14	15	10	15	15	10	50	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		14	14	10	15	14	10	50	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		15	15	10	15	15	10	50	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		15	15	10	14	15	10	50	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		15	15	10	15	15	10	56	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		15	15	10	15	15	10	56	1	1	1	1	1	1	1

41	IT2016/092	11700216046	PRIYANKA DAS	15	14	10	15	14	10	50	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	14	15	10	14	14	10	50	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	12	12	10	12	13	10	44	1	1	1	1	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	14	15	10	14	14	10	50	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	15	15	10	15	15	10	50	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	12	12	10	13	12	10	44	1	1	1	1	1	1	0
47	IT2016/010	11700216052	PIYUSH KUMAR	15	15	10	14	14	10	50	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	15	14	10	15	14	10	50	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	13	13	10	12	13	9	44	1	1	1	1	1	1	0
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	14	14	10	14	15	10	50	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	15	15	10	15	15	10	56	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	14	15	10	14	15	10	50	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	15	15	10	15	15	10	50	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	14	15	10	15	14	10	50	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	15	15	10	15	15	10	50	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	14	15	10	15	15	10	50	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	13	12	10	12	12	10	44	1	1	1	1	1	1	0
58	IT2016/019	11700216064	INDRANI MAITY	15	15	10	15	14	10	50	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	15	15	10	15	15	10	56	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	14	14	10	15	14	10	50	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	15	15	10	15	15	10	50	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	15	14	10	14	15	10	50	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	15	15	10	15	15	10	56	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	15	14	10	15	14	10	50	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	15	14	10	14	15	10	50	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	15	14	10	15	15	10	50	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	15	14	10	15	14	10	50	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	13	13	9	12	12	10	44	1	1	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	15	15	10	15	15	10	56	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	15	15	10	15	15	10	56	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	15	15	10	15	15	10	56	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	13	12	9	12	13	9	44	1	1	1	1	1	1	0
73	IT2016/090	11700216080	AVIK DATTA	13	12	10	13	13	9	44	1	1	1	1	1	1	0
74	IT2016/016	11700216081	AVIJIT DAS	14	14	10	14	14	10	50	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	14	14	10	14	14	10	50	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	13	12	10	12	13	9	44	1	1	1	1	1	1	0
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	15	15	10	15	15	10	56	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	15	15	10	15	15	10	56	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	14	14	10	14	15	10	50	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	15	15	10	15	15	10	56	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	13	12	10	12	13	9	44	1	1	1	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	15	15	10	15	15	10	50	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	13	13	9	12	13	9	44	1	1	1	1	1	1	0
84	IT2016/012	11700216092	ANUMITA SAHA	15	14	10	14	14	10	50	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	15	14	10	15	14	10	50	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	14	14	10	15	14	10	50	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	15	15	10	14	14	10	50	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	14	14	10	15	14	10	50	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	15	14	10	15	15	10	50	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	15	14	10	15	14	10	50	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	12	13	10	12	13	9	44	1	1	1	1	1	1	0
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	15	15	10	15	14	10	50	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	12	13	10	13	12	9	44	1	1	1	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	14	14	10	15	15	10	50	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	12	13	9	12	13	9	44	1	1	1	1	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	12	12	9	13	13	9	44	1	1	1	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	12	13	10	13	12	10	44	1	1	1	1	1	1	0
98	IT2017/L04	11700217006	ANWESHA DEY	15	15	10	14	14	10	50	1	1	1	1	1	1	1

1	98	98	98	98	98	98	73
0	0	0	0	0	0	0	25
CO attn	1.00	1.00	1.00	1.00	1.00	1.00	**0.74**

Avg Attn	**1.00**
Attn Level	**3**

Avg Attn	**0.74**
Attn Level	**2**

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	2.4											
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	1.33	1.00	1.50	1.00	1.33	0.00	0.00	0.00	2.00	1.17	1.50	1.00
Overall(Direct) CO attainment level	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Attainment of PO for this course	1.06	0.80	1.20	0.80	1.06	0.00	0.00	0.00	1.60	0.94	1.20	0.80	**0.79**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	1.00	1.00	
Overall(Direct) CO attainment level	2.4	2.4	2.4	
Attainment of PSO for this course	2.40	0.80	0.80	**1.33**

Mapping of CO with PO and PSO of Operating System Laboratory (Paper code: IT593)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	-	-	1	-	-	-	-	2	2
CO2	3	1	1	-	-	-	-	-	-	-	2	2
CO3	3	3	1	1	-	-	-	-	-	-	2	2
CO4	3	3	2	1	-	-	-	-	-	-	2	2
CO5	3	3	2	1	-	-	-	-	-	-	2	2
CO6	3	2	3	1	-	2	-	-	-	-	2	2
AVERAGE	3.00	2.17	1.67	1.00	0	1.50	0	0	0	0	2.00	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO2
CO1	1	1	1
CO2	3	1	1
CO3	3	2	1
CO4	3	2	2
CO5	3	2	2
CO6	3	3	2
AVERAGE	2.67	1.83	1.50

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's						Univ. Exam	Course Outcome Attainment with target in %						
					PCA1			PCA2										
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		14	13	8	14	14	8	59	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		14	14	9	13	13	10	59	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		12	12	8	12	12	8	53	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		14	15	9	15	14	9	57	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		14	14	10	14	15	9	56	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		14	14	8	14	14	8	56	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		13	13	8	12	13	8	58	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		13	13	10	12	12	10	56	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		15	14	9	13	12	10	58	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		13	13	10	13	12	10	57	1	1	1	1	1	1	1

11	IT2016/013	11700216016	SUSTHIT BISWAS	12	11	9	12	11	8	57	1	0	1	1	0	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR	10	13	9	12	12	8	58	0	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR	12	13	9	12	12	8	57	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI	15	14	8	14	15	7	58	1	1	1	1	1	0	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	14	13	8	12	12	8	59	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	13	13	10	12	14	8	57	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY	15	14	9	15	14	8	58	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	10	12	8	12	9	9	55	0	1	1	1	0	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI	13	12	8	12	12	9	55	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN	14	15	9	14	14	8	56	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	10	12	8	10	12	8	58	0	1	1	0	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	13	12	8	12	11	8	58	1	1	1	1	0	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	12	12	9	11	14	8	57	1	1	1	0	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	14	14	7	12	12	10	58	1	1	0	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	12	12	8	10	12	8	58	1	1	1	0	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	13	12	7	12	14	10	59	1	1	0	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	12	12	9	13	12	8	58	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	12	13	9	13	13	7	57	1	1	1	1	1	0	1
29	IT2016/030	11700216034	SAMRAT HALDER	14	14	10	14	13	9	55	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	14	15	8	13	13	9	60	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	14	13	8	14	15	9	58	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	13	13	9	12	12	10	59	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	12	14	9	12	14	8	56	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	14	14	10	14	13	9	59	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	12	13	9	12	12	9	55	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	13	12	10	12	12	7	57	1	1	1	1	1	0	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	13	15	9	15	12	9	57	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	14	15	9	14	15	9	55	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	12	12	10	13	13	8	57	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	12	11	8	11	12	6	58	1	0	1	0	1	0	1
41	IT2016/092	11700216046	PRIYANKA DAS	15	13	9	13	13	9	53	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	13	13	10	12	13	9	57	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	12	13	10	12	12	9	55	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	13	14	10	12	12	9	59	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	12	12	6	12	11	6	54	1	1	0	1	0	0	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	13	12	8	12	12	8	58	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	12	14	9	13	12	9	56	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	12	13	8	11	12	8	57	1	1	1	0	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	12	13	10	12	12	9	56	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	13	13	9	12	12	10	55	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	12	13	10	12	12	10	57	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	12	12	10	13	12	8	57	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	13	13	9	13	12	9	56	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	12	12	9	13	12	7	57	1	1	1	1	1	0	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	14	14	8	13	13	9	57	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	12	12	6	10	12	8	57	1	1	0	0	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	12	14	8	12	12	8	58	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	13	14	8	12	13	8	57	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	13	12	8	13	11	7	58	1	1	1	1	0	0	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	12	12	10	12	11	9	58	1	1	1	1	0	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	13	13	9	12	12	10	58	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	12	12	7	12	11	7	56	1	1	0	1	0	0	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	14	15	10	14	15	9	60	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	14	14	9	14	13	9	58	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	12	12	10	12	10	6	53	1	1	1	1	0	0	1
66	IT2016/043	11700216072	DEVESH DUGAR	14	12	10	12	11	7	56	1	1	1	1	0	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	12	12	7	12	10	8	56	1	1	0	1	0	1	1
68	IT2016/015	11700216075	BITTU KUMAR	12	13	9	12	13	8	57	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	15	14	8	14	14	9	59	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	13	13	10	13	13	8	59	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	14	14	8	14	12	8	57	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	12	10	8	10	11	8	57	1	0	1	0	0	1	1
73	IT2016/090	11700216080	AVIK DATTA	13	12	8	12	12	8	55	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	13	13	9	12	12	10	56	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	13	12	10	12	12	8	56	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	13	13	8	12	10	10	54	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	14	13	10	13	13	10	57	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	13	13	9	12	12	7	59	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	13	13	9	13	12	9	58	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	15	14	8	14	14	8	59	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	8	8	8	7	7	54	0	0	1	0	0	0	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	14	15	8	12	14	9	55	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	13	13	9	13	12	9	55	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	12	10	7	11	10	8	58	1	0	0	0	0	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	12	12	10	12	10	7	53	1	1	1	1	0	0	1

86	IT2016/084	11700216094	ANKITA SAHA	12	12	9	12	10	9	57	1	1	1	1	0	1	1
87	IT2016/068	11700216095	ANKITA DATTA	12	13	9	13	12	8	54	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	14	13	9	12	12	9	54	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	12	13	10	13	13	8	53	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	12	12	8	12	11	8	59	1	1	1	1	0	1	1
91	IT2016/061	11700216099	GNIBHO HOM CHOWDHUR	14	13	10	12	13	9	59	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	14	15	9	13	12	9	58	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	13	13	9	12	13	9	50	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	13	10	10	13	13	7	55	1	0	1	1	1	0	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	12	13	10	13	12	7	52	1	1	1	1	1	0	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	13	12	6	10	12	9	53	1	1	0	0	1	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	12	12	10	14	13	10	55	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	12	12	8	12	13	10	56	1	1	1	1	1	1	1

1	94	92	90	88	82	84	98
0	4	6	8	10	16	14	0
CO att	0.96	0.94	0.92	0.90	0.84	0.86	1.00

Avg Attn	0.90
Attn Level	3

Avg Attn	1.00
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	3

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.17	1.67	1.00	0	1.50	0	0	0	0	2.00	2.00	
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	3.00	2.17	1.67	1.00	0.00	1.50	0.00	0.00	0.00	0.00	2.00	2.00	**1.65**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.67	1.83	1.5	
Overall(Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	2.67	1.83	1.50	**2**

Mapping of CO with PO and PSO of the Course Programming Practices using C++ lab(IT-594F)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	2	2	-	-	-	-	-	2	2
CO2	3	3	3	2	2	-	-	-	1	-	2	1
CO3	3	3	3	2	2	-	-	-	-	-	2	1
CO4	3	3	3	2	2	-	-	-	-	-	2	1
CO5	3	3	3	3	3	2	2	-	2	-	2	2
CO6	1	1	2	-	2	3	2	3	3	2	2	2
AVERAGE	2.67	2.67	2.83	2.20	2.17	2.50	2.00	3.00	2.00	2.00	2.00	1.50

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	2	3
CO2	3	2	3
CO3	3	2	3
CO4	3	2	3
CO5	3	2	3
CO6	3	3	3
AVERAGE	3.00	2.17	3.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's													
					PCA1			PCA2			Univ. Exam							
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	15	10	15	25	10	5	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		14	9	14	23	9	5	57	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		11	8	12	22	8	5	57	0	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		9	5	10	19	7	2	45	0	0	0	0	0	0	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		15	9	12	21	9	4	57	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		11	7	13	18	6	3	57	0	0	1	0	0	0	1
6	IT2016/037	11700216011	TIASHA SARKAR		10	9	14	17	5	1	57	0	1	1	0	0	0	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		10	9	11	16	4	2	51	0	1	0	0	0	0	1
8	IT2016/081	11700216013	SWETA BOSE		12	9	12	22	9	5	51	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		12	6	10	12	6	3	51	1	0	0	0	0	0	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		13	8	12	23	9	4	57	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		12	9	14	22	8	4	57	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		12	7	12	21	9	4	51	1	0	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		12	8	13	22	8	4	57	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		13	9	15	24	9	5	57	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		12	8	13	20	8	4	51	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		11	7	11	19	7	3	51	0	0	0	0	0	0	1
17	IT2016/038	11700216022	SOMA ROY		8	5	8	13	4	1	45	0	0	0	0	0	0	0
18	IT2016/058	11700216023	SK MD FARUK		9	7	10	12	7	2	51	0	0	0	0	0	0	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		12	9	13	21	8	4	57	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		12	6	12	20	9	4	51	1	0	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		13	8	15	24	10	5	57	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		13	6	11	22	8	4	57	1	0	0	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		7	5	9	12	9	5	51	0	0	0	0	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		13	9	15	23	9	4	57	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		10	6	9	18	8	4	51	0	0	0	0	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		15	10	14	24	10	5	57	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		10	8	12	16	8	4	57	0	1	1	0	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		14	8	13	23	9	4	51	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		12	9	12	22	8	4	51	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		9	6	8	15	8	3	51	0	0	0	0	1	0	1
31	IT2016/036	11700216036	ROHIT SINGH		12	9	11	20	9	4	57	1	1	0	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		14	10	15	24	10	5	57	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		10	7	9	17	7	3	51	0	0	0	0	0	0	1
34	IT2016/004	11700216039	RIBHU GHOSH		15	10	14	24	10	5	57	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		12	9	13	22	9	4	57	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		14	10	12	23	9	4	57	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		12	9	12	22	9	5	57	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		14	8	13	20	8	4	57	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		14	8	12	21	9	4	51	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		10	10	15	25	10	5	57	0	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS		15	7	12	21	9	4	51	1	0	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		12	8	12	20	10	4	51	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA		13	6	9	18	8	4	51	1	0	0	0	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		10	7	12	20	9	4	57	0	0	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY		12	4	6	16	7	2	51	1	0	0	0	0	0	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		9	9	13	21	8	4	57	0	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR		13	8	12	23	9	4	57	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		12	7	13	22	8	4	51	1	0	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR		9	6	12	23	9	4	51	0	0	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		12	5	6	10	4	1	45	1	0	0	0	0	0	0
51	IT2016/062	11700216056	MD MUZAMMIL		13	8	13	23	8	4	57	1	1	1	1	1	1	1
52	IT2016/050	11700216057	LAW KUMAR MADHUR		2	1	0	0	3	0	0	0	0	0	0	0	0	0
53	IT2016/066	11700216058	LAKHAN KUMAR		11	7	11	17	5	2	51	0	0	0	0	0	0	1
54	IT2016/008	11700216059	KUNAL THAKUR		13	8	14	20	8	4	51	1	1	1	1	1	1	1
55	IT2016/045	11700216060	KUMARI RIYA		14	9	14	23	10	4	57	1	1	1	1	1	1	1
56	IT2016/023	11700216061	KUMAR ANUBHAV		12	9	14	24	9	4	57	1	1	1	1	1	1	1
57	IT2016/076	11700216062	KUMAR ADITYA		12	7	12	21	9	5	51	1	0	1	1	1	1	1
58	IT2016/073	11700216063	KAVERI SAHA		9	6	9	15	7	4	45	0	0	0	0	0	1	0
59	IT2016/019	11700216064	INDRANI MAITY		13	7	10	20	8	4	51	1	0	0	1	1	1	1
60	IT2016/007	11700216065	HOZAIFA WAHID		14	10	15	25	10	5	57	1	1	1	1	1	1	1
61	IT2016/079	11700216066	HIMANSHU SHARAN		11	7	11	19	5	1	51	0	0	0	0	0	0	1
62	IT2016/018	11700216067	HIMANSHU JAISWAL		14	9	13	23	8	4	57	1	1	1	1	1	1	1
63	IT2016/035	11700216068	HEMANT KUMAR AGARWAL		12	7	12	24	9	5	51	1	0	1	1	1	1	1
64	IT2016/006	11700216069	HARSHIT ANAND GUPTA		14	9	15	25	10	5	57	1	1	1	1	1	1	1
65	IT2016/088	11700216070	ESHA GUPTA		14	8	12	23	8	5	57	1	1	1	1	1	1	1

66	IT2016/089	11700216071	DIPANJAN RAY	12	5	10	20	9	5	45	1	0	0	1	1	1	0
67	IT2016/043	11700216072	DEVESH DUGAR	13	6	7	18	8	4	51	1	0	0	0	1	1	1
68	IT2016/060	11700216073	DAMINI KUMARI	12	7	13	15	8	2	51	1	0	1	0	1	0	1
69	IT2016/015	11700216075	BITTU KUMAR	10	8	11	20	8	4	51	0	1	0	1	1	1	1
70	IT2016/040	11700216076	BIKRAM MITRA	15	10	14	21	9	4	57	1	1	1	1	1	1	1
71	IT2016/009	11700216077	BIDISHA MONDAL	14	10	15	25	10	4	57	1	1	1	1	1	1	1
72	IT2016/095	11700216078	AYUSH PARWAL	13	8	13	23	8	4	57	1	1	1	1	1	1	1
73	IT2016/064	11700216079	AVINASH KUMAR SINGH	8	3	6	14	6	3	39	0	0	0	0	0	0	0
74	IT2016/090	11700216080	AVIK DATTA	12	7	13	21	8	4	51	1	0	1	1	1	1	1
75	IT2016/016	11700216081	AVIJIT DAS	13	9	12	22	9	4	57	1	1	1	1	1	1	1
76	IT2016/032	11700216082	ATANU GHARA	14	9	13	20	8	4	51	1	1	1	1	1	1	1
77	IT2016/041	11700216083	ASHISH JAISWAL	12	8	11	21	8	4	57	1	1	0	1	1	1	1
78	IT2016/063	11700216084	ARUNAVA CHAUDHURI	13	8	13	22	9	4	57	1	1	1	1	1	1	1
79	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	15	9	14	24	9	4	57	1	1	1	1	1	1	1
80	IT2016/017	11700216086	ARNAB DAS	12	6	10	20	8	4	51	1	0	0	1	1	1	1
81	IT2016/054	11700216087	ARIHANT RAJ	14	8	14	21	10	4	57	1	1	1	1	1	1	1
82	IT2016/001	11700216088	ARGHYA MRIDHA	10	4	7	17	8	4	33	0	0	0	0	1	1	0
83	IT2016/033	11700216089	ARGHADEEP MONDAL	12	7	9	22	8	4	45	1	0	0	1	1	1	0
84	IT2016/091	11700216091	ANWESHA SAHA	10	8	10	19	9	4	51	0	1	0	0	1	1	1
85	IT2016/012	11700216092	ANUMITA SAHA	11	7	12	20	8	4	51	0	0	1	1	1	1	1
86	IT2016/072	11700216093	ANSHUMAN BAKSHI	13	8	13	23	7	4	57	1	1	1	1	0	1	1
87	IT2016/084	11700216094	ANKITA SAHA	12	9	14	23	9	4	57	1	1	1	1	1	1	1
88	IT2016/068	11700216095	ANKITA DATTA	11	6	10	19	8	4	51	0	0	0	0	1	1	1
89	IT2016/074	11700216096	AMIT KUMAR	6	7	11	15	6	1	45	0	0	0	0	0	0	0
90	IT2016/051	11700216097	AMAN KUMAR	12	9	13	23	8	4	57	1	1	1	1	1	1	1
91	IT2016/044	11700216098	AMAN JAISWAL	13	8	14	22	8	4	57	1	1	1	1	1	1	1
92	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	13	8	12	20	8	4	57	1	1	1	1	1	1	1
93	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	14	9	13	20	8	4	57	1	1	1	1	1	1	1
94	IT2017/L01	11700217001	SUTANUKA DAS	12	8	12	21	8	3	51	1	1	1	1	1	0	1
95	IT2017/L06	11700217002	SNEHA YADAV	13	8	12	22	8	4	51	1	1	1	1	1	1	1
96	IT2017/L03	11700217003	RUMELI BANERJEE	12	9	12	19	8	3	51	1	1	1	0	1	0	1
97	IT2017/L02	11700217004	DEBJIT BHATTA	7	5	6	14	4	1	45	0	0	0	0	0	0	0
98	IT2017/L05	11700217005	DEBALINA MAITI	14	9	14	23	9	4	51	1	1	1	1	1	1	1
99	IT2017/L04	11700217006	ANWESHA DEY	13	10	13	20	8	4	57	1	1	1	1	1	1	1

1	70	60	67	70	80	78	88
0	29	39	32	29	19	21	11
CO attn	0.71	0.61	0.68	0.71	0.81	0.79	**0.89**

Avg Attn	**0.72**
Attn Level	**2**

Avg Attn	**0.89**
Attn Level	**3**

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	**2.6**											
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
Avg values from table 1	2.67	2.67	2.83	2.20	2.17	2.50	2.00	3.00	2.00	2.00	2.00	1.50
Overall(Direct) CO attainment level	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Attainment of PO for this course	2.31	2.31	2.46	1.91	1.88	2.17	1.73	2.60	1.73	1.73	1.73	1.30	**1.99**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	**PSO2**	**PSO3**	
Avg values from table 2	3.00	2.17	3.00	
Overall(Direct) CO attainment level	2.6	2.6	2.6	
Attainment of PSO for this course	2.60	1.88	2.60	**2.36**

Attainment Details of Semester VI

Mapping of CO with PO and PSO of Principles of Management (Paper code: HU-601)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	-	-	-	-	-	-	-	-	3	-	-
CO2	-	-	-	-	-	-	3	-	-	1	-	-
CO3	-	-	1	-	1	3	-	-	-	2	-	-
CO4	-	-	-	-	-	-	-	-	-	2	-	-
CO5	-	-	-	-	-	-	-	-	1	1	3	-
CO6	-	-	-	-	-	-	-	-	-	0	-	-
AVERAGE	3.00	0	1.00	0	1.00	3.00	3.00	0	1.00	1.50	3.00	0
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	2	-	-
CO2	-	-	-
CO3	1	1	-
CO4	-	1	-
CO5	-	-	-
CO6	-	-	-
AVERAGE	1.50	1.00	0

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam	Course Outcome Attainment with target in %						
				CA1/CA2/CA3/CA4													
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Univ Roll	Class Roll	Name	Target Level	80%						60%	80%					
1	11700216006	IT2016/034	YASH AGARWAL		10	13	20	12	9	23	65	1	1	1	1	1	1	1
2	11700216007	IT2016/071	VIVEK KUMAR		10	13	22	14	9	23	75	1	1	1	1	1	1	1
3	11700216008	IT2016/027	VISHWADHWAJ KUMAR		10	14	23	13	8	23	75	1	1	1	1	1	1	1
4	11700216009	IT2016/075	UZZWALPREET KAUR		9	13	20	12	9	20	55	1	1	1	1	1	1	0
5	11700216010	IT2016/047	TURNISHA SARKAR		10	11	22	14	8	23	75	1	0	1	1	1	1	1
6	11700216011	IT2016/037	TIASHA SARKAR		10	12	23	14	7	22	65	1	1	1	1	0	1	1
7	11700216012	IT2016/086	TAMOGHNA CHOWDHURY		10	12	22	14	8	22	75	1	1	1	1	1	1	1
8	11700216013	IT2016/081	SWETA BOSE		9	14	23	15	8	24	75	1	1	1	1	1	1	1
9	11700216014	IT2016/028	SWARNALI ROY		10	13	24	14	9	23	75	1	1	1	1	1	1	1
10	11700216015	IT2016/087	SUVRAJIT MUKHERJEE		10	12	21	12	10	22	65	1	1	1	1	1	1	1
11	11700216016	IT2016/013	SUSTHIT BISWAS		10	13	23	14	9	24	75	1	1	1	1	1	1	1
12	11700216017	IT2016/026	SUPRIYANTA PODDAR		9	13	20	12	9	23	65	1	1	1	1	1	1	1
13	11700216018	IT2016/020	SUDHANSHU KUMAR		6	13	22	14	9	23	75	0	1	1	1	1	1	1
14	11700216019	IT2016/094	SUBHOJEET BHADURI		7	14	23	13	8	23	75	0	1	1	1	1	1	1
15	11700216020	IT2016/003	SUBHAJIT MAJUMDAR		10	13	20	12	9	20	55	1	1	1	1	1	1	0
16	11700216021	IT2016/057	SREJITA SAHA		10	11	22	14	8	23	75	1	0	1	1	1	1	1
17	11700216022	IT2016/038	SOMA ROY		10	12	23	14	7	22	65	1	1	1	1	0	1	1
18	11700216023	IT2016/058	SK MD FARUK		10	12	22	14	8	22	75	1	1	1	1	1	1	1
19	11700216024	IT2016/014	SIDDHANT SAHANI		9	13	24	15	9	24	75	1	1	1	1	1	1	1
20	11700216025	IT2016/031	SHUBHA GAYEN		9	13	22	14	8	23	65	1	1	1	1	1	1	1
21	11700216026	IT2016/065	SHREYASH CHAMARIA		9	12	20	13	7	21	55	1	1	1	1	0	1	0
22	11700216027	IT2016/049	SHREYA VATS		9	15	23	15	9	24	75	1	1	1	1	1	1	1
23	11700216028	IT2016/052	SHIWAM KUMAR SUMAN		10	14	24	14	9	24	75	1	1	1	1	1	1	1
24	11700216029	IT2016/021	SHASHANK ROY		10	14	23	14	10	24	75	1	1	1	1	1	1	1
25	11700216030	IT2016/053	SHAHZEB AKHTAR		9	14	22	14	8	23	65	1	1	1	1	1	1	1
26	11700216031	IT2016/046	SAYON MOULIK		10	13	23	13	8	23	65	1	1	1	1	1	1	1
27	11700216032	IT2016/078	SAYANTAN CHATTERJEE		9	12	21	13	8	22	55	1	1	1	1	1	1	0
28	11700216033	IT2016/029	SANANDA PODDER		8	13	20	12	9	23	65	1	1	1	1	1	1	1
29	11700216034	IT2016/030	SAMRAT HALDER		9	13	22	14	9	23	75	1	1	1	1	1	1	1
30	11700216035	IT2016/002	RONAK BARMAN		10	14	23	13	8	23	75	1	1	1	1	1	1	1

31	11700216036	IT2016/036	ROHIT SINGH	9	13	20	12	9	20	55	1	1	1	1	1	1	0
32	11700216037	IT2016/048	RITWIKA BANERJEE	10	11	22	14	8	23	75	1	0	1	1	1	1	1
33	11700216038	IT2016/083	RITTIKA PAUL	10	12	23	14	7	22	65	1	1	1	1	0	1	1
34	11700216039	IT2016/004	RIBHU GHOSH	10	12	22	14	8	22	75	1	1	1	1	1	1	1
35	11700216040	IT2016/067	RAVI SHANKAR	9	15	24	15	9	25	75	1	1	1	1	1	1	1
36	11700216041	IT2016/069	RAJARSHI DAS	9	13	22	12	9	3	65	1	1	1	1	1	0	1
37	11700216042	IT2016/055	RAHUL KUMAR THAKUR	10	15	25	15	10	25	85	1	1	1	1	1	1	1
38	11700216043	IT2016/042	RAHUL KARMAKAR	9	14	24	14	9	23	75	1	1	1	1	1	1	1
39	11700216044	IT2016/011	RAHUL BARMAN	9	12	20	11	10	21	55	1	1	1	0	1	1	0
40	11700216045	IT2016/077	PUSPITA DAS	8	13	20	12	9	23	65	1	1	1	1	1	1	1
41	11700216046	IT2016/092	PRIYANKA DAS	9	13	22	14	9	23	75	1	1	1	1	1	1	1
42	11700216047	IT2016/024	PRITHWIRAJ MUKHERJEE	9	14	23	13	8	23	75	1	1	1	1	1	1	1
43	11700216048	IT2016/093	PRITAM MANNA	9	13	20	12	9	20	55	1	1	1	1	1	1	0
44	11700216049	IT2016/059	PRAVEEN KUMAR SHARMA	9	11	22	14	8	23	75	1	0	1	1	1	1	1
45	11700216050	IT2016/070	PRASENJIT DEY	8	12	23	14	7	22	65	1	1	1	1	0	1	1
46	11700216051	IT2016/025	PRAKASH KUMAR SINGH	10	12	22	14	8	22	75	1	1	1	1	1	1	1
47	11700216052	IT2016/010	PIYUSH KUMAR	10	12	24	15	9	25	85	1	1	1	1	1	1	1
48	11700216053	IT2016/022	PARTHAJIT MUKHERJEE	8	13	23	14	9	23	75	1	1	1	1	1	1	1
49	11700216054	IT2016/085	PAROMITA PODDAR	10	14	23	14	10	23	75	1	1	1	1	1	1	1
50	11700216055	IT2016/080	NUSHRAT HUSSAIN	10	13	23	13	10	23	75	1	1	1	1	1	1	1
51	11700216056	IT2016/062	MD MUZAMMIL	10	13	21	13	9	22	55	1	1	1	1	1	1	0
52	11700216058	IT2016/066	LAKHAN KUMAR	9	12	20	13	7	20	45	1	1	1	1	0	1	0
53	11700216059	IT2016/008	KUNAL THAKUR	9	14	23	13	10	23	65	1	1	1	1	1	1	1
54	11700216060	IT2016/045	KUMARI RIYA	9	11	20	11	9	20	55	1	0	1	0	1	1	0
55	11700216061	IT2016/023	KUMAR ANUBHAV	10	14	24	14	9	24	85	1	1	1	1	1	1	1
56	11700216062	IT2016/076	KUMAR ADITYA	10	13	23	13	10	23	85	1	1	1	1	1	1	1
57	11700216063	IT2016/073	KAVERI SAHA	8	12	20	14	6	20	55	1	1	1	1	0	1	0
58	11700216064	IT2016/019	INDRANI MAITY	8	14	22	12	10	22	65	1	1	1	1	1	1	1
59	11700216065	IT2016/007	HOZAIFA WAHID	8	12	20	12	8	21	65	1	1	1	1	1	1	1
60	11700216066	IT2016/079	HIMANSHU SHARAN	9	12	21	12	9	22	55	1	1	1	1	1	1	0
61	11700216067	IT2016/018	HIMANSHU JAISWAL	10	12	22	13	8	23	65	1	1	1	1	1	1	1
62	11700216068	IT2016/035	HEMANT KUMAR AGARWAL	10	13	23	13	9	23	75	1	1	1	1	1	1	1
63	11700216069	IT2016/006	HARSHIT ANAND GUPTA	10	14	23	13	8	24	75	1	1	1	1	1	1	1
64	11700216070	IT2016/088	ESHA GUPTA	9	13	23	13	8	22	75	1	1	1	1	1	1	1
65	11700216071	IT2016/089	DIPANJAN RAY	8	13	21	11	9	22	55	1	1	1	0	1	1	0
66	11700216072	IT2016/043	DEVESH DUGAR	7	12	20	11	9	20	24	0	1	1	0	1	1	0
67	11700216073	IT2016/060	DAMINI KUMARI	8	14	22	13	9	23	75	1	1	1	1	1	1	1
68	11700216075	IT2016/015	BITTU KUMAR	10	12	20	13	8	21	55	1	1	1	1	1	1	0
69	11700216076	IT2016/040	BIKRAM MITRA	9	13	22	14	8	22	75	1	1	1	1	1	1	1
70	11700216077	IT2016/009	BIDISHA MONDAL	8	12	21	13	8	21	65	1	1	1	1	1	1	1
71	11700216078	IT2016/095	AYUSH PARWAL	9	12	22	12	8	21	65	1	1	1	1	1	1	1
72	11700216079	IT2016/064	AVINASH KUMAR SINGH	9	11	20	12	9	20	55	1	0	1	1	1	1	0
73	11700216080	IT2016/090	AVIK DATTA	10	12	22	13	9	23	65	1	1	1	1	1	1	1
74	11700216081	IT2016/016	AVIJIT DAS	10	11	20	12	9	21	55	1	0	1	1	1	1	0
75	11700216082	IT2016/032	ATANU GHARA	10	13	22	13	10	22	75	1	1	1	1	1	1	1
76	11700216083	IT2016/041	ASHISH JAISWAL	9	14	23	13	10	23	75	1	1	1	1	1	1	1
77	11700216084	IT2016/063	ARUNAVA CHAUDHURI	9	14	22	13	10	23	75	1	1	1	1	1	1	1
78	11700216085	IT2016/082	ARPITA ROY CHOWDHURY	9	12	20	13	6	20	55	1	1	1	1	0	1	0
79	11700216086	IT2016/017	ARNAB DAS	9	14	23	14	9	23	75	1	1	1	1	1	1	1
80	11700216087	IT2016/054	ARIHANT RAJ	9	13	24	14	10	24	75	1	1	1	1	1	1	1
81	11700216088	IT2016/001	ARGHYA MRIDHA	8	13	23	13	9	23	75	1	1	1	1	1	1	1
82	11700216089	IT2016/033	ARGHADEEP MONDAL	8	12	20	12	8	20	55	1	1	1	1	1	1	0
83	11700216091	IT2016/091	ANWESHA SAHA	9	13	20	12	8	20	55	1	1	1	1	1	1	0
84	11700216092	IT2016/012	ANUMITA SAHA	9	13	22	13	8	22	65	1	1	1	1	1	1	1
85	11700216093	IT2016/072	ANSHUMAN BAKSHI	8	12	20	11	9	20	55	1	1	1	0	1	1	0
86	11700216094	IT2016/084	ANKITA SAHA	8	13	20	12	9	21	65	1	1	1	1	1	1	1
87	11700216095	IT2016/068	ANKITA DATTA	9	12	22	13	9	23	75	1	1	1	1	1	1	1
88	11700216096	IT2016/074	AMIT KUMAR	7	13	20	13	7	21	55	0	1	1	1	0	1	0
89	11700216097	IT2016/051	AMAN KUMAR	9	11	20	13	7	22	65	1	0	1	1	0	1	1
90	11700216098	IT2016/044	AMAN JAISWAL	9	13	22	13	9	23	75	1	1	1	1	1	1	1
91	11700216099	IT2016/061	AGNIBHO HOM CHOWDHURY	8	12	20	13	8	20	55	1	1	1	1	1	1	0
92	11700216100	IT2016/039	ABISHEK KUMAR MONDAL	7	13	22	14	9	21	65	0	1	1	1	1	1	1
93	11700217001	IT2017/L01	SUTANUKA DAS	10	13	20	12	9	23	65	1	1	1	1	1	1	1
94	11700217002	IT2017/L06	SNEHA YADAV	10	13	22	14	9	23	75	1	1	1	1	1	1	1

85	11700216093	IT2016/072	ANSHUMAN BAKSHI	8	12	20	11	9	20	55	1	1	1	0	1	1	0
86	11700216094	IT2016/084	ANKITA SAHA	8	13	20	12	9	21	65	1	1	1	1	1	1	1
87	11700216095	IT2016/068	ANKITA DATTA	9	12	22	13	9	23	75	1	1	1	1	1	1	1
88	11700216096	IT2016/074	AMIT KUMAR	7	13	20	13	7	21	55	0	1	1	1	0	1	0
89	11700216097	IT2016/051	AMAN KUMAR	9	11	20	13	7	22	65	1	0	1	1	0	1	1
90	11700216098	IT2016/044	AMAN JAISWAL	9	13	22	13	9	23	75	1	1	1	1	1	1	1
91	11700216099	IT2016/061	AGNIBHO HOM CHOWDHURY	8	12	20	13	8	20	55	1	1	1	1	1	1	0
92	11700216100	IT2016/039	ABISHEK KUMAR MONDAL	7	13	22	14	9	21	65	0	1	1	1	1	1	1
93	11700217001	IT2017/L01	SUTANUKA DAS	10	13	20	12	9	23	65	1	1	1	1	1	1	1
94	11700217002	IT2017/L06	SNEHA YADAV	10	13	22	14	9	23	75	1	1	1	1	1	1	1
95	11700217003	IT2017/L03	RUMELI BANERJEE	10	14	23	13	8	23	75	1	1	1	1	1	1	1
96	11700217004	IT2017/L02	DEBJIT BHATTA	9	13	20	12	9	20	55	1	1	1	1	1	1	0
97	11700217005	IT2017/L05	DEBALINA MAITI	9	11	22	14	8	23	75	1	0	1	1	1	1	1
98	11700217006	IT2017/L04	ANWESHA DEY	10	12	23	14	7	22	65	1	1	1	1	0	1	1

1	93	89	98	93	87	97	74
0	5	9	0	5	11	1	24
CO attn	0.95	0.91	1.00	0.95	0.89	0.99	0.76

Avg Attn	0.947
Attn Level	3

Avg Attn	0.76
Attn Level	2

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	2.5

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	0	1.00	0	1.00	3.00	3.00	0	1.00	1.50	3.00	0	
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Attainment of PO for this course	2.50	0.00	0.83	0.00	0.83	2.50	2.50	0.00	0.83	1.25	2.50	0.00	**1.15**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	1.50	1.00	0	
Overall (Direct) CO attainment level	2.5	2.50	2.5	
Attainment of PSO for this course	1.25	0.83	0	**0.69**

Mapping of CO with PO and PSO of the Database Management System(Paper code: IT601)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	-	-	-	1	1	-	-	-	-	1
CO2	3	3	2	2	2	-	1	-	-	-	-	2
CO3	3	2	3	2	1	-	-	-	-	1	1	2
CO4	3	2	3	2	2	-	-	-	-	1	1	2
CO5	3	2	-	-	-	1	-	-	-	-	-	1
CO6	3	2	-	-	-	1	-	-	-	-	1	1
AVERAGE	3.00	2.17	2.67	2.00	1.67	1.00	1.00	0	0	1.00	1.00	1.50

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	-	-
CO2	3	1	-
CO3	3	1	-
CO4	3	1	-
CO5	3	-	1
CO6	3	-	1
AVERAGE	3.00	1.00	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of students attaining course outcomes and attainment level

Sl No	Class Roll	Univ Roll	Name		ALL PCA's CA1/CA2/CA3/CA4						Univ. Exam	Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	15	10	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
				Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		15	8	21	14	9	23	85	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		12	7	20	12	8	17	65	1	0	1	1	1	0	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		13	8	20	10	6	20	55	1	1	1	0	0	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		15	10	23	15	9	21	85	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	10	22	14	9	20	85	0	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		14	8	21	14	8	20	75	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		15	7	21	14	8	18	75	1	0	1	1	1	0	1
8	IT2016/081	11700216013	SWETA BOSE		13	9	23	10	8	16	65	1	1	1	0	1	0	1
9	IT2016/028	11700216014	SWARNALI ROY		15	10	24	13	8	23	85	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		12	10	21	12	7	21	75	1	1	1	1	0	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		12	10	23	12	7	22	75	1	1	1	1	0	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		15	9	23	15	9	22	85	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		12	6	20	13	8	22	75	1	0	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		12	7	20	12	9	21	75	1	0	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		13	10	24	13	9	22	75	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		10	9	23	10	5	18	55	0	1	1	0	0	0	1
17	IT2016/038	11700216022	SOMA ROY		10	10	17	12	8	17	65	0	1	0	1	1	0	1
18	IT2016/058	11700216023	SK MD FARUK		10	7	20	12	6	18	65	0	0	1	1	0	0	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		12	10	16	10	5	16	55	1	1	0	0	0	0	1
20	IT2016/031	11700216025	SHUBHA GAYEN		9	9	17	12	6	20	55	0	1	0	1	0	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		15	9	20	12	8	22	85	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		10	9	18	9	9	18	65	0	1	0	0	1	0	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		10	10	24	9	8	16	65	0	1	1	0	1	0	1
24	IT2016/021	11700216029	SHASHANK ROY		14	10	23	12	9	20	75	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		10	9	16	7	6	20	55	0	1	0	0	0	1	0
26	IT2016/046	11700216031	SAYON MOULIK		13	10	16	12	6	17	55	1	1	0	1	0	0	0
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		13	10	21	13	8	21	75	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		15	9	22	12	8	21	75	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		13	10	21	10	7	22	75	1	1	1	0	0	1	1
30	IT2016/002	11700216035	RONAK BARMAN		10	7	22	12	6	15	65	0	0	1	1	0	0	1
31	IT2016/036	11700216036	ROHIT SINGH		14	10	23	14	9	24	85	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		13	9	23	12	6	24	75	1	1	1	1	0	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		15	9	23	12	9	23	85	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		15	9	23	12	10	23	85	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		10	10	24	14	8	23	75	0	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		13	10	22	10	8	21	75	1	1	1	0	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		13	9	25	10	9	20	75	1	1	1	0	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		13	10	24	14	9	23	75	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		13	10	20	12	6	20	75	1	1	1	1	0	1	1
40	IT2016/077	11700216045	PUSPITA DAS		14	10	20	13	9	24	85	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS		13	9	23	15	6	23	75	1	1	1	1	0	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		8	10	19	12	5	20	55	0	1	0	1	0	1	0
43	IT2016/093	11700216048	PRITAM MANNA		8	10	21	12	6	22	65	0	1	1	1	0	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		15	10	22	13	9	20	85	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY		12	9	21	12	6	21	75	1	1	1	1	0	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		12	9	24	12	9	22	75	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR		13	9	24	13	9	22	85	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		12	10	23	11	8	23	75	1	1	1	0	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR		12	10	23	12	9	23	75	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		10	9	23	12	6	19	65	0	1	1	1	0	0	1
51	IT2016/062	11700216056	MD MUZAMMIL		12	10	21	12	8	20	75	1	1	1	1	1	1	1
52	IT2016/066	11700216057	LAKHAN KUMAR		12	10	20	12	9	20	75	1	1	1	1	1	1	1
53	IT2016/008	11700216058	KUNAL THAKUR		10	10	23	8	6	20	65	0	1	1	0	0	1	1
54	IT2016/045	11700216059	KUMARI RIYA		13	9	20	13	9	22	75	1	1	1	1	1	1	1
55	IT2016/023	11700216060	KUMAR ANUBHAV		12	10	24	13	9	21	75	1	1	1	1	1	1	1
56	IT2016/076	11700216061	KUMAR ADITYA		12	10	23	10	9	22	65	1	1	1	0	1	1	1
57	IT2016/073	11700216062	KAVERI SAHA		13	8	20	11	9	16	75	1	1	1	0	1	0	1
58	IT2016/019	11700216063	INDRANI MAITY		12	10	22	13	9	23	75	1	1	1	1	1	1	1
59	IT2016/007	11700216064	HOZAIFA WAHID		13	9	20	12	9	23	85	1	1	1	1	1	1	1
60	IT2016/079	11700216065	HIMANSHU SHARAN		10	9	21	9	7	25	75	0	1	1	0	0	1	1
61	IT2016/018	11700216066	HIMANSHU JAISWAL		7	9	22	12	6	19	55	0	1	1	1	0	0	0
62	IT2016/035	11700216067	HEMANT KUMAR AGARWAL		15	10	19	13	9	24	75	1	1	0	1	1	1	1
63	IT2016/006	11700216068	HARSHIT ANAND GUPTA		13	10	23	10	9	24	75	1	1	1	0	1	1	1
64	IT2016/088	11700216069	ESHA GUPTA		10	8	23	14	9	23	75	0	1	1	1	1	1	1
65	IT2016/089	11700216070	DIPANJAN RAY		8	10	21	11	7	23	75	0	1	1	0	0	1	1
66	IT2016/043	11700216071	DEVESH DUGAR		12	10	20	8	6	23	65	1	1	1	0	0	1	1

67	IT2016/060	11700216072	DAMINI KUMARI	8	8	20	10	7	19	65	0	1	1	0	0	0	1
68	IT2016/015	11700216073	BITTU KUMAR	12	10	20	12	9	20	75	1	1	1	1	1	1	1
69	IT2016/040	11700216074	BIKRAM MITRA	12	8	22	10	8	23	75	1	1	1	0	1	1	1
70	IT2016/009	11700216075	BIDISHA MONDAL	10	10	21	15	9	20	85	0	1	1	1	1	1	1
71	IT2016/095	11700216076	AYUSH PARWAL	10	8	22	13	8	24	75	0	1	1	1	1	1	1
72	IT2016/064	11700216077	AVINASH KUMAR SINGH	12	8	16	12	8	23	65	1	1	0	1	1	1	1
73	IT2016/090	11700216078	AVIK DATTA	8	8	17	9	9	20	65	0	1	0	0	1	1	1
74	IT2016/016	11700216079	AVIJIT DAS	10	10	15	12	9	15	65	0	1	0	1	1	0	1
75	IT2016/032	11700216080	ATANU GHARA	13	10	22	9	9	20	75	1	1	1	0	1	1	1
76	IT2016/041	11700216081	ASHISH JAISWAL	13	8	23	13	10	21	75	1	1	1	1	1	1	1
77	IT2016/063	11700216082	ARUNAVA CHAUDHURI	15	10	22	14	9	22	85	1	1	1	1	1	1	1
78	IT2016/082	11700216083	ARPITA ROY CHOWDHURY	10	10	20	12	7	21	75	0	1	1	1	0	1	1
79	IT2016/017	11700216084	ARNAB DAS	10	10	23	8	9	23	75	0	1	1	0	1	1	1
80	IT2016/054	11700216085	ARIHANT RAJ	12	8	24	6	6	18	65	1	1	1	0	0	0	1
81	IT2016/001	11700216086	ARGHYA MRIDHA	13	10	14	10	10	17	55	1	1	0	0	1	0	0
82	IT2016/033	11700216087	ARGHADEEP MONDAL	12	10	20	12	9	20	65	1	1	1	1	1	1	1
83	IT2016/091	11700216088	ANWESHA SAHA	10	8	20	7	4	15	65	0	1	1	0	0	0	1
84	IT2016/012	11700216089	ANUMITA SAHA	12	10	22	12	9	16	65	1	1	1	1	1	0	1
85	IT2016/072	11700216091	ANSHUMAN BAKSHI	12	8	20	9	10	22	75	1	1	1	0	1	1	1
86	IT2016/084	11700216092	ANKITA SAHA	12	8	20	12	7	21	75	1	1	1	1	0	1	1
87	IT2016/068	11700216093	ANKITA DATTA	13	8	22	7	10	22	75	1	1	1	0	1	1	1
88	IT2016/074	11700216094	AMIT KUMAR	13	10	18	12	8	16	55	1	1	0	1	1	0	0
89	IT2016/051	11700216095	AMAN KUMAR	12	10	20	10	9	23	75	1	1	1	0	1	1	1
90	IT2016/044	11700216096	AMAN JAISWAL	13	8	22	12	8	24	75	1	1	1	1	1	1	1
91	IT2016/061	11700216097	AGNIBHO HOM CHOWDHURY	12	10	20	14	10	25	85	1	1	1	1	1	1	1
92	IT2016/039	11700216098	ABISHEK KUMAR MONDAL	15	10	22	15	9	23	75	1	1	1	1	1	1	1
93	IT2017/L01	11700216099	SUTANUKA DAS	10	10	20	9	8	22	55	0	1	1	0	1	1	0
94	IT2017/L06	11700216100	SNEHA YADAV	10	9	22	13	10	20	65	0	1	1	1	1	1	1
95	IT2017/L03	11700217001	RUMELI BANERJEE	12	10	23	10	8	18	65	1	1	1	0	1	0	1
96	IT2017/L02	11700217002	DEBJIT BHATTA	8	10	20	10	9	13	45	0	1	1	0	1	0	0
97	IT2017/L05	11700217003	DEBALINA MAITI	10	10	22	10	8	17	65	0	1	1	0	1	0	1
98	IT2017/L04	11700217004	ANWESHA DEY	10	9	21	12	9	20	75	0	1	1	1	1	1	1

1	67	92	85	65	70	74	86
0	31	6	13	33	28	24	12
CO attn	0.68	0.94	0.87	0.66	0.71	0.76	0.88

Avg Attn	0.77
Attn Level	2

Avg Attn	0.88
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	2.5											
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	3.00	2.17	2.67	2.00	1.67	1.00	1.00	0	0	1.00	1.00	1.50
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Attainment of PO for this course	2.50	1.81	2.22	1.67	1.39	0.83	0.83	0.00	0.00	0.83	0.83	1.25	**1.18**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	1.00	1.00	
Overall (Direct) CO attainment level	2.50	2.50	2.50	
Attainment of PSO for this course	2.50	0.83	0.83	**1.39**

Mapping of CO with PO and PSO of Computer Networking (Paper code: IT-602)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	1	-	2	2	1	-	3	-	2
CO2	3	2	1	1	2	-	-	-	-	1	1	3
CO3	3	2	3	1	1	-	-	-	-	2	2	2
CO4	3	3	3	2	-	-	-	2	-	2	2	2
CO5	3	2	1	1	3	-	-	2	-	1	2	2
CO6	3	2	2	1	-	-	2	2	3	-	2	3
AVERAGE	3.00	2.00	1.83	1.17	2.00	2.00	2.00	1.75	3.00	1.80	1.80	2.33

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	3	3
CO2	3	2	1
CO3	3	2	2
CO4	1	2	1
CO5	3	2	2
CO6	1	2	1
AVERAGE	2.00	2.17	1.67

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam	Course Outcome Attainment with target in %						
				CA1/CA2/CA3/CA4													
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Univ Roll	Class Roll	Name	Target Level	80%						80%	80%					
1	11700216006	IT2016/034	YASH AGARWAL		9	12	20	12	9	20	85	1	1	1	1	1	1	1
2	11700216007	IT2016/071	VIVEK KUMAR		9	12	20	12	8	20	85	1	1	1	1	1	1	1
3	11700216008	IT2016/027	VISHWADHWAJ KUMAR		8	9	13	8	8	13	45	1	0	0	0	1	0	0
4	11700216009	IT2016/080	UZZWALPREET KAUR		10	13	21	13	9	20	80	1	1	1	1	1	1	1
5	11700216010	IT2016/047	TURNISHA SARKAR		9	12	20	13	9	21	80	1	1	1	1	1	1	1
6	11700216011	IT2016/037	TIASHA SARKAR		9	12	17	12	9	17	85	1	1	0	1	1	0	1
7	11700216012	IT2016/086	TAMOGHNA CHOWDHURY		9	12	20	12	9	17	85	1	1	1	1	1	0	1
8	11700216013	IT2016/081	SWETA BOSE		8	12	20	12	9	17	85	1	1	1	1	1	0	1
9	11700216014	IT2016/028	SWARNALI ROY		8	12	20	12	9	20	85	1	1	1	1	1	1	1
10	11700216015	IT2016/087	SUVRAJIT MUKHERJEE		9	12	17	12	9	20	85	1	1	0	1	1	1	1
11	11700216016	IT2016/013	SUSTHIT BISWAS		10	12	21	13	10	21	80	1	1	1	1	1	1	1
12	11700216017	IT2016/026	SUPRIYANTA PODDAR		9	12	21	13	9	20	80	1	1	1	1	1	1	1
13	11700216018	IT2016/020	SUDHANSHU KUMAR		9	13	20	12	10	20	80	1	1	1	1	1	1	1
14	11700216019	IT2016/094	SUBHOJEET BHADURI		10	12	20	12	9	20	80	1	1	1	1	1	1	1
15	11700216020	IT2016/003	SUBHAJIT MAJUMDAR		9	12	20	13	9	21	80	1	1	1	1	1	1	1
16	11700216021	IT2016/057	SREJITA SAHA		8	12	20	12	8	20	85	1	1	1	1	1	1	1
17	11700216022	IT2016/038	SOMA ROY		9	12	17	12	8	20	85	1	1	0	1	1	1	1
18	11700216023	IT2016/058	SK MD FARUK		8	12	17	12	9	17	85	1	1	0	1	1	0	1
19	11700216024	IT2016/014	SIDDHANT SAHANI		8	9	16	9	8	16	55	1	0	0	0	1	0	0
20	11700216025	IT2016/031	SHUBHA GAYEN		9	12	20	12	8	17	85	1	1	1	1	1	0	1
21	11700216026	IT2016/085	SHREYASH CHAMARIA		10	14	23	14	10	23	85	1	1	1	1	1	1	1
22	11700216027	IT2016/049	SHREYA VATS		9	12	17	12	8	20	85	1	1	0	1	1	1	1
23	11700216028	IT2016/052	SHIWAM KUMAR SUMAN		8	9	16	10	8	15	55	1	0	0	0	1	0	0
24	11700216029	IT2016/021	SHASHANK ROY		8	12	20	12	8	20	85	1	1	1	1	1	1	1
25	11700216030	IT2016/053	SHAHZEB AKHTAR		8	9	15	10	8	16	55	1	0	0	0	1	0	0
26	11700216031	IT2016/046	SAYON MOULIK		10	12	21	13	9	21	80	1	1	1	1	1	1	1
27	11700216032	IT2016/078	SAYANTAN CHATTERJEE		9	12	17	12	9	20	85	1	1	0	1	1	1	1
28	11700216033	IT2016/029	SANANDA PODDER		8	12	20	12	8	20	85	1	1	1	1	1	1	1
29	11700216034	IT2016/030	SAMRAT HALDER		8	9	16	10	8	16	55	1	0	0	0	1	0	0
30	11700216035	IT2016/002	RONAK BARMAN		6	8	13	9	6	12	45	0	0	0	0	0	0	0
31	11700216036	IT2016/036	ROHIT SINGH		10	13	21	12	10	20	80	1	1	1	1	1	1	1
32	11700216037	IT2016/048	RITWIKA BANERJEE		8	12	20	12	9	17	85	1	1	1	1	1	0	1
33	11700216038	IT2016/083	RITTIKA PAUL		10	12	20	12	10	20	80	1	1	1	1	1	1	1
34	11700216039	IT2016/004	RIBHU GHOSH		9	12	20	12	8	17	85	1	1	1	1	1	0	1
35	11700216040	IT2016/067	RAVI SHANKAR		8	12	17	12	8	17	85	1	1	0	1	1	0	1
36	11700216041	IT2016/069	RAJARSHI DAS		10	15	23	15	10	22	85	1	1	1	1	1	1	1
37	11700216042	IT2016/055	RAHUL KUMAR THAKUR		8	12	17	12	9	20	85	1	1	0	1	1	1	1
38	11700216043	IT2016/042	RAHUL KARMAKAR		10	13	21	13	10	20	80	1	1	1	1	1	1	1
39	11700216044	IT2016/011	RAHUL BARMAN		8	9	15	9	8	15	55	1	0	0	0	1	0	0
40	11700216045	IT2016/077	PUSPITA DAS		10	15	22	15	10	23	85	1	1	1	1	1	1	1
41	11700216046	IT2016/092	PRIYANKA DAS		8	10	15	9	8	15	55	1	0	0	0	1	0	0
42	11700216047	IT2016/024	PRITHWIRAJ MUKHERJEE		8	12	20	12	8	17	85	1	1	1	1	1	0	1
43	11700216048	IT2016/093	PRITAM MANNA		6	9	12	9	8	12	45	0	0	0	0	1	0	0
44	11700216049	IT2016/059	PRAVEEN KUMAR SHARMA		10	13	20	13	9	20	80	1	1	1	1	1	1	1
45	11700216050	IT2016/070	PRASENJIT DEY		9	12	17	12	8	20	85	1	1	0	1	1	1	1
46	11700216051	IT2016/025	PRAKASH KUMAR SINGH		9	12	20	12	10	20	80	1	1	1	1	1	1	1

47	11700216052	IT2016/010	PIYUSH KUMAR	9	12	20	12	9	21	80	1	1	1	1	1	1	1
48	11700216053	IT2016/022	PARTHAJIT MUKHERJEE	8	10	15	10	8	16	55	1	0	0	0	1	0	0
49	11700216054	IT2016/085	PAROMITA PODDAR	9	12	17	12	8	20	85	1	1	0	1	1	1	1
50	11700216055	IT2016/080	NUSHRAT HUSSAIN	9	12	20	12	9	21	80	1	1	1	1	1	1	1
51	11700216056	IT2016/062	MD MUZAMMIL	10	13	20	12	10	20	80	1	1	1	1	1	1	1
52	11700216058	IT2016/066	LAKHAN KUMAR	9	12	21	13	10	21	80	1	1	1	1	1	1	1
53	11700216059	IT2016/008	KUNAL THAKUR	8	10	15	9	8	15	55	1	0	0	0	1	0	0
54	11700216060	IT2016/045	KUMARI RIYA	9	12	20	12	10	20	80	1	1	1	1	1	1	1
55	11700216061	IT2016/023	KUMAR ANUBHAV	10	12	21	12	9	20	80	1	1	1	1	1	1	1
56	11700216062	IT2016/076	KUMAR ADITYA	9	12	17	12	8	17	85	1	1	0	1	1	0	1
57	11700216063	IT2016/073	KAVERI SAHA	8	12	17	12	8	20	85	1	1	0	1	1	1	1
58	11700216064	IT2016/019	INDRANI MAITY	8	12	17	12	8	20	85	1	1	0	1	1	1	1
59	11700216085	IT2016/007	HOZAIFA WAHID	8	12	20	12	9	20	85	1	1	1	1	1	1	1
60	11700216066	IT2016/079	HIMANSHU SHARAN	9	12	17	12	8	20	85	1	1	0	1	1	1	1
61	11700216067	IT2016/018	HIMANSHU JAISWAL	9	12	17	12	8	20	85	1	1	0	1	1	1	1
62	11700216068	IT2016/035	HEMANT KUMAR AGARWAL	6	9	12	8	8	13	45	0	0	0	0	1	0	0
63	11700216069	IT2016/006	HARSHIT ANAND GUPTA	10	13	20	13	9	20	80	1	1	1	1	1	1	1
64	11700216070	IT2016/088	ESHA GUPTA	9	12	20	12	8	17	85	1	1	1	1	1	0	1
85	11700216071	IT2016/089	DIPANJAN RAY	10	12	21	13	9	21	80	1	1	1	1	1	1	1
66	11700216072	IT2016/043	DEVESH DUGAR	8	12	20	12	8	17	85	1	1	1	1	1	0	1
67	11700216073	IT2016/060	DAMINI KUMARI	9	12	17	12	8	20	85	1	1	0	1	1	1	1
68	11700216080	IT2016/015	BITTU KUMAR	10	13	21	13	9	20	80	1	1	1	1	1	1	1
69	11700216076	IT2016/040	BIKRAM MITRA	9	12	17	12	8	20	85	1	1	0	1	1	1	1
70	11700216077	IT2016/009	BIDISHA MONDAL	10	13	21	13	10	21	80	1	1	1	1	1	1	1
71	11700216078	IT2016/095	AYUSH PARWAL	10	12	21	13	10	21	80	1	1	1	1	1	1	1
72	11700216079	IT2016/064	AVINASH KUMAR SINGH	8	10	16	9	8	15	55	1	0	0	0	1	0	0
73	11700216080	IT2016/090	AVIK DATTA	8	9	15	10	8	15	55	1	0	0	0	1	0	0
74	11700216081	IT2016/016	AVIJIT DAS	9	12	17	12	9	17	85	1	1	0	1	1	0	1
80	11700216082	IT2016/032	ATANU GHARA	6	9	13	9	8	13	45	0	0	0	0	1	0	0
76	11700216083	IT2016/041	ASHISH JAISWAL	8	12	17	12	9	17	85	1	1	0	1	1	0	1
77	11700216084	IT2016/063	ARUNAVA CHAUDHURI	9	12	20	13	9	20	80	1	1	1	1	1	1	1
78	11700216085	IT2016/082	ARPITA ROY CHOWDHURY	10	15	22	15	10	22	85	1	1	1	1	1	1	1
79	11700216086	IT2016/017	ARNAB DAS	8	9	15	10	8	15	55	1	0	0	0	1	0	0
80	11700216087	IT2016/054	ARIHANT RAJ	10	13	21	12	9	20	80	1	1	1	1	1	1	1
81	11700216088	IT2016/001	ARGHYA MRIDHA	8	10	15	10	8	15	55	1	0	0	0	1	0	0
82	11700216089	IT2016/033	ARGHADEEP MONDAL	8	10	15	9	8	16	55	1	0	0	0	1	0	0
83	11700216091	IT2016/091	ANWESHA SAHA	8	9	16	9	8	15	55	1	0	0	0	1	0	0
84	11700216092	IT2016/012	ANUMITA SAHA	8	9	15	10	8	16	55	1	0	0	0	1	0	0
85	11700216093	IT2016/072	ANSHUMAN BAKSHI	8	9	16	10	8	15	55	1	0	0	0	1	0	0
86	11700216094	IT2016/084	ANKITA SAHA	9	12	17	12	9	20	85	1	1	0	1	1	1	1
87	11700216095	IT2016/068	ANKITA DATTA	9	12	21	12	10	21	80	1	1	1	1	1	1	1
88	11700216096	IT2016/074	AMIT KUMAR	9	12	17	12	9	17	85	1	1	0	1	1	0	1
89	11700216097	IT2016/051	AMAN KUMAR	8	9	15	10	8	16	55	1	0	0	0	1	0	0
90	11700216098	IT2016/044	AMAN JAISWAL	9	12	17	12	8	20	85	1	1	0	1	1	1	1
91	11700216099	IT2016/061	AGNIBHO HOM CHOWDHURY	9	12	20	12	9	20	85	1	1	1	1	1	1	1
92	11700216100	IT2016/039	ABISHEK KUMAR MONDAL	10	13	20	13	10	21	80	1	1	1	1	1	1	1
93	11700217001	IT2017/L01	SUTANUKA DAS	9	12	17	12	9	20	85	1	1	0	1	1	1	1
94	11700217002	IT2017/L06	SNEHA YADAV	8	12	17	12	8	20	85	1	1	0	1	1	1	1
95	11700217003	IT2017/L03	RUMELI BANERJEE	8	8	12	9	6	12	45	1	0	0	0	0	0	0
96	11700217004	IT2017/L02	DEBJIT BHATTA	1	1	1	2	2	1	0	0	0	0	0	0	0	0
97	11700217005	IT2017/L05	DEBALINA MAITI	8	9	16	10	8	16	55	1	0	0	0	1	0	0
98	11700217006	IT2017/L04	ANWESHA DEY	10	13	21	13	10	21	80	1	1	1	1	1	1	1

1	93	73	49	73	95	58	73
0	5	25	49	25	3	40	25
CO attn	0.95	0.74	0.50	0.74	0.97	0.59	0.74

Avg Attn	0.75
	2

Avg Attn	0.74
Attn Level	2

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	2

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.00	1.83	1.17	2.00	2.00	2.00	1.75	3.00	1.80	1.80	2.33	
Overall (Direct) CO attainment level	2	2	2	2	2	2	2	2	2	2	2	2	
Attainment of PO for this course	2.00	1.33	1.22	0.78	1.33	1.33	1.33	1.17	2.00	1.20	1.20	1.56	**1.37**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.00	2.17	1.67	
Overall (Direct) CO attainment level	2	2	2	
Attainment of PSO for this course	1.33	1.44	1.11	**1.30**

Mapping of CO with PO and PSO of Software Engineering (Paper code: IT-603)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	-	-	2	-	-	-	2	-	2
CO2	2	-	3	1	2	-	-	-	2	1	1	1
CO3	2	2	1	-	3	-	-	-	1	1	1	-
CO4	2	-	-	-	2	-	-	1	2	1	2	-
CO5	2	-	3	1	3	-	1	-	2	1	2	1
CO6	2	3	1	-	3	-	-	-	1	1	1	-
AVERAGE	2.00	2.00	1.80	1.00	2.60	2.00	1.00	1.00	1.60	1.17	1.40	1.33
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	2	1	-
CO2	1	2	-
CO3	1	2	-
CO4	1	2	-
CO5	1	1	1
CO6	1	1	1
AVERAGE	1.17	1.50	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						70%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		9	13	22	12	9	21	75	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		9	12	23	13	8	20	65	1	1	1	1	1	1	0
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		7	11	22	13	7	18	55	0	0	1	1	0	0	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	13	21	13	9	20	85	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		9	12	20	13	9	21	75	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		9	13	21	12	9	21	75	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		9	13	22	11	9	22	75	1	1	1	0	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		8	12	24	12	9	23	75	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		8	11	22	11	9	20	65	1	0	1	0	1	1	0
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		9	11	24	12	9	20	65	1	0	1	1	1	1	0
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	12	21	13	10	21	65	1	1	1	1	1	1	0
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	12	21	13	9	20	65	1	1	1	1	1	1	0
13	IT2016/020	11700216018	SUDHANSHU KUMAR		9	13	18	12	10	20	75	1	1	0	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		10	12	18	12	9	20	75	1	1	0	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		9	12	24	13	9	21	85	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		8	11	22	11	8	18	65	1	0	1	0	1	0	0
17	IT2016/038	11700216022	SOMA ROY		9	12	21	12	8	18	65	1	1	1	1	1	0	0
18	IT2016/058	11700216023	SK MD FARUK		8	12	22	12	9	17	65	1	1	1	1	1	0	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		7	13	23	9	8	18	65	0	1	1	0	1	0	0
20	IT2016/031	11700216025	SHUBHA GAYEN		9	11	20	12	8	19	65	1	0	1	1	1	0	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		10	14	23	14	10	23	75	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		9	11	18	12	8	20	65	1	0	0	1	1	1	0
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		8	9	21	12	8	19	65	1	0	1	1	1	0	0
24	IT2016/021	11700216029	SHASHANK ROY		8	12	21	11	8	22	75	1	1	1	0	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		7	9	18	12	8	18	55	0	0	0	1	1	0	0
26	IT2016/046	11700216031	SAYON MOULIK		10	12	21	13	9	23	85	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		9	12	20	11	9	20	75	1	1	1	0	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		8	12	21	12	8	20	75	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		7	9	21	10	7	21	75	0	0	1	0	0	1	1
30	IT2016/002	11700216035	RONAK BARMAN		6	8	18	9	6	18	55	0	0	0	0	0	0	0
31	IT2016/036	11700216036	ROHIT SINGH		10	13	21	12	10	20	75	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		8	12	23	12	9	23	85	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		10	12	18	12	10	20	65	1	1	0	1	1	1	0
34	IT2016/004	11700216039	RIBHU GHOSH		9	11	23	12	8	19	75	1	0	1	1	1	0	1
35	IT2016/067	11700216040	RAVI SHANKAR		8	11	21	11	8	17	65	1	0	1	0	1	0	0
36	IT2016/069	11700216041	RAJARSHI DAS		10	15	23	15	10	22	75	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		8	12	19	11	9	18	65	1	1	0	0	1	0	0
38	IT2016/042	11700216043	RAHUL KARMAKAR		10	13	21	13	10	20	75	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		8	9	18	9	8	18	75	1	0	0	0	1	0	1
40	IT2016/077	11700216045	PUSPITA DAS		10	15	22	15	10	23	85	1	1	1	1	1	1	1

57	IT2016/073	11700216063	KAVERI SAHA	8	12	23	11	8	18	75	1	1	1	0	1	0	1
58	IT2016/019	11700216064	INDRANI MAITY	8	12	23	12	8	22	85	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	8	12	24	11	9	22	85	1	1	1	0	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	20	11	8	20	75	1	1	1	0	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	12	22	12	8	20	75	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	6	9	20	8	7	18	75	0	0	1	0	0	0	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	10	13	23	13	9	20	85	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	9	12	23	11	8	19	75	1	1	1	0	1	0	1
65	IT2016/089	11700216071	DIPANJAN RAY	10	12	21	13	9	21	75	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	8	12	18	11	8	20	75	1	1	0	0	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	9	11	23	12	8	18	55	1	0	1	1	1	0	0
68	IT2016/015	11700216075	BITTU KUMAR	10	13	21	13	9	20	65	1	1	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	9	11	22	11	8	18	85	1	0	1	0	1	0	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	13	21	13	10	21	85	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	10	12	21	13	10	21	85	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	8	10	22	9	8	18	75	1	0	1	0	1	0	1
73	IT2016/090	11700216080	AVIK DATTA	8	9	22	10	8	19	65	1	0	1	0	1	0	0
74	IT2016/016	11700216081	AVIJIT DAS	9	12	23	12	9	20	75	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	6	9	19	9	7	20	65	0	0	0	0	0	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	8	11	21	11	9	22	75	1	0	1	0	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	12	18	13	9	20	85	1	1	0	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	10	15	22	15	10	22	85	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	7	9	23	10	8	21	75	0	0	1	0	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	10	11	21	12	9	20	75	1	0	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	10	19	10	8	18	55	1	0	0	0	1	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	8	10	22	9	7	18	55	1	0	1	0	0	0	0
83	IT2016/091	11700216091	ANWESHA SAHA	8	9	19	9	8	17	65	1	0	0	0	1	0	0
84	IT2016/012	11700216092	ANUMITA SAHA	7	9	19	10	7	18	65	0	0	0	0	0	0	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	7	9	22	10	7	20	75	0	0	1	0	0	1	1
86	IT2016/084	11700216094	ANKITA SAHA	9	12	23	11	9	18	75	1	1	1	0	1	0	1
87	IT2016/068	11700216095	ANKITA DATTA	9	12	22	12	10	21	75	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	9	11	22	12	9	19	75	1	0	1	1	1	0	1
89	IT2016/051	11700216097	AMAN KUMAR	7	9	23	10	7	18	65	0	0	1	0	0	0	0
90	IT2016/044	11700216098	AMAN JAISWAL	9	12	23	11	8	20	65	1	1	1	0	1	1	0
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	9	12	20	12	9	18	55	1	1	1	1	1	0	0
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	10	13	22	13	10	21	75	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	9	11	21	12	9	20	65	1	0	1	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	8	12	22	11	8	22	75	1	1	1	0	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	7	8	22	9	6	15	55	0	0	1	0	0	0	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	1	1	10	2	2	10	45	0	0	0	0	0	0	0
97	IT2017/L05	11700217005	DEBALINA MAITI	7	9	21	10	8	21	75	0	0	1	0	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	10	13	22	13	10	21	75	1	1	1	1	1	1	1

1	82	58	80	57	84	65	60
0	16	40	18	41	14	33	38
CO attn	0.84	0.59	0.82	0.58	0.86	0.66	**0.61**

Avg Attn	**0.72**
Attn Level	**2**

Avg Attn	**0.61**
Attn Level	**1**

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	**1.5**

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	
Avg values from table 1	2.00	2.00	1.80	1.00	2.60	2.00	1.00	1.00	1.60	1.17	1.40	1.33	
Overall (Direct) CO attainment level	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
Attainment of PO for this course	1.00	1.00	0.90	0.50	1.30	1.00	0.50	0.50	0.80	0.58	0.70	0.67	**0.79**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	**PSO2**	**PSO3**	
Avg values from table 2	1.17	1.50	1.00	
Overall (Direct) CO attainment level	1.5	1.5	1.5	
Attainment of PSO for this course	0.58	0.75	0.50	**0.63**

Mapping of CO with PO and PSO of ERP (IT 604D)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	-	-	1	-	1	1	2	2	2
CO2	3	3	3	-	-	1	1	1	1	3	2	2
CO3	3	2	2	-	-	1	1	1	1	2	2	2
CO4	3	2	2	3	2	1	1	1	1	3	2	2
CO5	3	2	2	3	2	1	1	1	1	2	2	2
CO6	3	3	3	3	2	1	1	1	1	3	2	2
AVERAGE	3.00	2.33	2.33	3.00	2.00	1.00	1.00	1.00	1.00	2.50	2.00	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	-	-	-
CO2	-	2	-
CO3	-	2	-
CO4	2	2	-
CO5	2	2	-
CO6	-	2	3
AVERAGE	2.00	2.00	3.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

Sl No	Class Roll	Univ Roll	Name		ALL CA's CA1/CA2/CA3/CA4						Univ. Exam	Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
				Target Level	60%						60%	60%						
1	IT2016/034	11700216006	YASH AGARWAL		0	0	20	0	0	22	75	0	0	1	0	0	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	10	17	10	8	23	85	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		6	6	15	10	9	22	75	1	0	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	5	21	10	9	22	75	1	0	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		0	0	16	10	9	23	75	0	0	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		4	7	13	8	7	23	75	0	0	0	0	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		6	8	13	7	8	22	85	1	0	0	0	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		10	7	21	11	9	23	85	1	0	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		10	6	18	8	10	23	85	1	0	1	0	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		8	10	23	10	9	22	75	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	10	24	10	11	24	85	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		7	14	17	12	8	23	85	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		0	0	20	10	9	23	75	0	0	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		7	10	23	0	0	23	85	1	1	1	0	0	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	10	22	9	10	22	65	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		5	5	19	10	9	23	65	0	0	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		8	10	19	9	8	22	75	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		6	10	21	10	9	21	75	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		5	5	14	10	8	23	65	0	0	0	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		7	10	16	9	7	23	85	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		0	0	19	9	9	23	85	0	0	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		0	0	17	10	9	23	85	0	0	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		10	6	18	10	9	22	75	1	0	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		9	8	19	10	10	23	75	1	0	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		5	6	15	8	8	23	65	0	0	1	0	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		9	4	15	10	8	23	85	1	0	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		0	0	21	9	9	22	85	0	0	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		10	11	21	7	10	23	65	1	1	1	0	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		4	10	18	10	9	22	65	0	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		0	0	19	13	10	23	65	0	0	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		5	5	17	10	5	22	75	0	0	1	1	0	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		10	10	19	13	8	23	75	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		10	11	20	7	10	23	85	1	1	1	0	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		10	10	21	7	9	22	75	1	1	1	0	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		6	10	23	10	7	23	75	1	1	1	1	1	1	1

36	IT2016/069	11700216041	RAJARSHI DAS	6	7	18	9	10	23	75	1	0	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	2	3	17	7	7	23	85	0	0	1	0	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	8	6	20	11	10	23	75	1	0	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	5	8	19	7	7	23	85	0	0	1	0	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	9	9	19	9	9	24	95	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	10	12	23	11	9	23	75	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	9	18	11	8	22	65	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	6	6	13	9	9	22	65	1	0	0	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	0	0	22	8	9	23	85	0	0	1	0	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	10	5	22	8	5	23	75	1	0	1	0	0	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	0	0	19	0	0	22	65	0	0	1	0	0	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	5	6	17	9	9	23	85	0	0	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	10	10	24	8	10	23	75	1	1	1	0	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	10	11	23	8	10	23	75	1	1	1	0	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	9	12	20	6	9	23	65	1	1	1	0	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	0	0	21	7	7	23	75	0	0	1	0	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	5	10	22	7	10	23	85	0	1	1	0	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	0	0	20	6	9	23	75	0	0	1	0	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	5	5	20	10	4	23	75	0	0	1	1	0	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	0	0	19	10	6	23	85	0	0	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	5	10	18	12	10	23	75	0	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	6	5	18	9	10	23	75	1	0	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	5	18	8	8	23	85	1	0	1	0	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	9	2	21	10	10	23	75	1	0	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	0	0	19	0	0	23	75	0	0	1	0	0	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	7	22	9	9	23	75	1	0	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	0	0	18	10	10	23	75	0	0	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	0	0	21	10	8	23	85	0	0	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	7	10	23	13	10	23	85	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	14	23	10	10	23	85	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	0	0	13	8	9	22	75	0	0	0	0	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	0	0	23	11	8	22	75	0	0	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	0	0	16	9	8	21	65	0	0	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	0	0	22	10	8	23	75	0	0	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	10	21	9	8	23	75	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	0	0	17	10	9	23	85	0	0	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	0	0	19	9	9	23	75	0	0	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	7	7	13	6	9	21	65	1	0	0	0	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	7	7	16	7	10	23	75	1	0	1	0	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	6	6	19	10	6	21	65	1	0	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	6	5	18	10	10	23	85	1	0	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	12	25	13	8	23	85	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	5	13	10	7	23	85	1	0	0	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	6	10	19	10	10	23	85	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	5	8	20	9	9	22	75	0	0	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	7	15	0	0	23	75	1	0	1	0	0	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	0	0	14	8	8	23	85	0	0	0	0	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	10	12	13	10	8	22	75	1	1	0	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	5	5	18	10	5	23	75	0	0	1	1	0	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	6	7	23	10	10	23	85	1	0	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	5	6	21	4	9	23	85	0	0	1	0	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	7	10	23	10	10	23	85	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	8	10	22	10	9	23	85	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	0	0	13	10	6	23	75	0	0	0	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	5	5	22	11	8	23	85	0	0	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	1	5	18	10	9	23	85	0	0	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	0	0	17	13	10	23	85	0	0	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	10	11	20	10	4	23	65	1	1	1	1	0	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	10	11	22	8	5	23	75	1	1	1	0	0	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	10	11	20	7	7	23	75	1	1	1	0	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	10	10	21	9	4	21	65	1	1	1	1	0	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	10	12	23	6	5	23	75	1	1	1	0	0	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	10	12	22	8	5	22	85	1	1	1	0	0	1	1

1	57	37	88	66	84	98	98
0	41	61	10	32	14	0	0
CO attn	0.58	0.38	0.90	0.67	0.86	1.00	1.00

Avg Attn	0.731
Attn Level	2

Avg Attn	1.00
Attn Level	3

Overall Course Outcome Attainment													
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)													
Direct CO attainment level	2.5												
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.33	2.33	3.00	2.00	1.00	1.00	1.00	1.00	2.50	2.00	2.00	
Overall(Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Attainment of PO for this course	2.50	1.94	1.94	2.50	1.67	0.83	0.83	0.83	0.83	2.08	1.67	1.67	**1.61**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.00	2.00	3.00	
Overall(Direct) CO attainment level	2.5	2.50	2.5	
Attainment of PSO for this course	1.67	1.67	2.50	**1.94**

Mapping of CO with PO and PSO of Compiler Design (Paper code: IT-605C)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	-	1	-	-	-	-	-	-	-	-
CO2	3	3	2	2	1	-	-	-	-	-	-	-
CO3	2	2	-	-	1	-	-	-	-	-	-	-
CO4	3	2	-	2	-	-	-	-	-	-	-	-
CO5	2	1	-	1	1	-	-	-	-	-	-	-
CO6	3	1	1	2	1	-	-	-	-	-	-	-
AVERAGE	2.67	1.83	1.50	1.60	1.00	0	0	0	0	0	0	0
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	2	3
CO2	3	2	3
CO3	3	2	3
CO4	3	2	3
CO5	3	2	3
CO6	3	2	3
AVERAGE	3.00	2.00	3.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam	Course Outcome Attainment with target in %						
				CA1/CA2/CA3/CA4													
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	15	25	10	25	10	15	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						60%	80%					
1	IT2016/034	11700216006	YASH AGARWAL		13	12	9	17	10	13	65	1	0	1	0	1	1	1
2	IT2016/027	11700216008	VISHWADHWAJ KUMAR		12	16	10	17	9	13	65	1	0	1	0	1	1	1
3	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	21	10	20	9	10	75	0	1	1	1	1	0	1
4	IT2016/013	11700216016	SUSTHIT BISWAS		14	22	10	16	10	14	75	1	1	1	0	1	1	1
5	IT2016/026	11700216017	SUPRIYANTA PODDAR		14	23	10	25	10	14	85	1	1	1	1	1	1	1

6	IT2016/094	11700216019	SUBHOJEET BHADURI	14	14	9	15	10	13	75	1	0	1	0	1	1	1
7	IT2016/058	11700216023	SK MD FARUK	10	12	8	19	9	11	65	0	0	1	0	1	0	1
8	IT2016/014	11700216024	SIDDHANT SAHANI	13	14	10	18	10	13	65	1	0	1	0	1	1	1
9	IT2016/031	11700216025	SHUBHA GAYEN	9	12	9	19	9	10	75	0	0	1	0	1	0	1
10	IT2016/065	11700216026	SHREYASH CHAMARIA	15	15	10	18	10	15	75	1	0	1	0	1	1	1
11	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	15	16	9	19	10	15	65	1	0	1	0	1	1	1
12	IT2016/021	11700216029	SHASHANK ROY	15	15	10	18	9	14	75	1	0	1	0	1	1	1
13	IT2016/053	11700216030	SHAHZEB AKHTAR	13	12	9	18	9	14	55	1	0	1	0	1	1	0
14	IT2016/046	11700216031	SAYON MOULIK	15	22	10	24	10	14	95	1	1	1	1	1	1	1
15	IT2016/078	11700216032	SAYANTAN CHATTERJEE	12	11	9	18	9	12	75	1	0	1	0	1	1	1
16	IT2016/029	11700216033	SANANDA PODDER	15	13	10	25	10	15	85	1	0	1	1	1	1	1
17	IT2016/030	11700216034	SAMRAT HALDER	14	22	9	18	10	14	75	1	1	1	0	1	1	1
18	IT2016/036	11700216036	ROHIT SINGH	13	12	8	18	9	13	75	1	0	1	0	1	1	1
19	IT2016/048	11700216037	RITWIKA BANERJEE	14	23	10	25	10	14	85	1	1	1	1	1	1	1
20	IT2016/083	11700216038	RITTIKA PAUL	15	23	10	21	10	15	85	1	1	1	1	1	1	1
21	IT2016/067	11700216040	RAVI SHANKAR	13	14	9	19	9	12	75	1	0	1	0	1	1	1
22	IT2016/092	11700216046	PRIYANKA DAS	14	17	10	23	10	14	75	1	0	1	1	1	1	1
23	IT2016/093	11700216048	PRITAM MANNA	11	17	7	15	9	12	75	0	0	0	0	1	1	1
24	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	10	13	9	19	10	10	75	0	0	1	0	1	0	1
25	IT2016/010	11700216052	PIYUSH KUMAR	11	16	9	18	9	11	85	0	0	1	0	1	0	1
26	IT2016/085	11700216054	PAROMITA PODDAR	14	21	10	23	10	14	75	1	1	1	1	1	1	1
27	IT2016/080	11700216055	NUSHRAT HUSSAIN	11	11	8	17	8	11	75	0	0	1	0	1	0	1
28	IT2016/062	11700216056	MD MUZAMMIL	8	16	7	18	7	8	75	0	0	0	0	0	0	1
29	IT2016/066	11700216058	LAKHAN KUMAR	12	14	8	18	8	12	75	1	0	1	0	1	1	1
30	IT2016/073	11700216063	KAVERI SAHA	13	12	9	17	9	13	75	1	0	1	0	1	1	1
31	IT2016/019	11700216064	INDRANI MAITY	15	16	10	20	10	15	85	1	0	1	1	1	1	1
32	IT2016/007	11700216065	HOZAIFA WAHID	15	12	10	22	10	15	85	1	0	1	1	1	1	1
33	IT2016/018	11700216067	HIMANSHU JAISWAL	13	15	10	16	9	13	65	1	0	1	0	1	1	1
34	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	14	11	10	18	10	14	75	1	0	1	0	1	1	1
35	IT2016/006	11700216069	HARSHIT ANAND GUPTA	14	12	10	25	10	15	85	1	0	1	1	1	1	1
36	IT2016/089	11700216071	DIPANJAN RAY	14	23	10	25	10	15	85	1	1	1	1	1	1	1
37	IT2016/060	11700216073	DAMINI KUMARI	13	14	10	23	10	13	85	1	0	1	1	1	1	1
38	IT2016/015	11700216075	BITTU KUMAR	11	23	9	19	9	12	85	0	1	1	0	1	1	1
39	IT2016/095	11700216078	AYUSH PARWAL	14	14	9	19	9	14	75	1	0	1	0	1	1	1
40	IT2016/064	11700216079	AVINASH KUMAR SINGH	13	11	8	19	8	13	75	1	0	1	0	1	1	1
41	IT2016/090	11700216080	AVIK DATTA	13	22	9	17	9	13	75	1	1	1	0	1	1	1
42	IT2016/032	11700216082	ATANU GHARA	11	14	9	18	9	11	65	0	0	1	0	1	0	1
43	IT2016/041	11700216083	ASHISH JAISWAL	13	14	9	19	10	13	75	1	0	1	0	1	1	1
44	IT2016/063	11700216084	ARUNAVA CHAUDHURI	13	23	10	25	10	15	85	1	1	1	1	1	1	1
45	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	13	18	9	24	9	15	85	1	0	1	1	1	1	1
46	IT2016/017	11700216086	ARNAB DAS	14	23	10	24	10	14	75	1	1	1	1	1	1	1
47	IT2016/001	11700216088	ARGHYA MRIDHA	13	13	9	18	9	14	55	1	0	1	0	1	1	0
48	IT2016/068	11700216095	ANKITA DATTA	13	14	10	19	10	15	95	1	0	1	0	1	1	1
49	IT2016/051	11700216097	AMAN KUMAR	13	22	9	23	9	14	65	1	1	1	1	1	1	1
50	IT2016/044	11700216098	AMAN JAISWAL	13	15	9	18	9	13	65	1	0	1	0	1	1	1
51	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	10	13	8	20	10	12	65	0	0	1	1	1	1	1
52	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	13	12	9	21	9	13	95	1	0	1	1	1	1	1
53	IT2017/L01	11700217001	SUTANUKA DAS	12	22	9	19	10	13	65	1	1	1	0	1	1	1
54	IT2017/L06	11700217002	SNEHA YADAV	14	21	10	17	10	15	75	1	1	1	0	1	1	1
55	IT2017/L03	11700217003	RUMELI BANERJEE	13	22	10	16	10	14	65	1	1	1	0	1	1	1
56	IT2017/L02	11700217004	DEBJIT BHATTA	12	21	9	20	10	12	55	1	1	1	1	1	1	0
57	IT2017/L05	11700217005	DEBALINA MAITI	14	21	10	20	10	15	65	1	1	1	1	1	1	1
58	IT2017/L04	11700217006	ANWESHA DEY	13	20	10	17	10	14	75	1	1	1	0	1	1	1

1	47	20	56	21	57	50	55
0	11	38	2	37	1	8	3
CO attn	0.81	0.34	0.97	0.36	0.98	0.86	0.95

Avg Attn	0.721
Attn Level	2

Avg Attn	0.95
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	2.5

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	2.67	1.83	1.50	1.60	1.00	0	0	0	0	0	0	0	
Overall(Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Attainment of PO for this course	2.22	1.53	1.25	1.33	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.60**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	2.00	3.00	
Overall(Direct) CO attainment level	2.5	2.5	2.5	
Attainment of PSO for this course	2.50	1.67	2.50	**2.22**

Mapping of CO with PO and PSO of Artificial Intelligence (Paper code: IT-605D)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	-	-	-	-	-	-	-	-	2
CO2	3	3	2	1	1	-	-	-	-	-	-	2
CO3	3	3	2	2	3	-	-	-	-	-	-	2
CO4	3	1	3	3	2	-	-	-	-	-	-	2
CO5	3	1	1	1	-	-	-	-	-	-	-	2
CO6	3	3	2	2	2	-	-	-	-	-	-	2
AVERAGE	3.00	2.00	1.83	1.80	2.00	0	0	0	0	0	0	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	-	-	2
CO2	1	1	2
CO3	3	1	3
CO4	2	1	2
CO5	1	1	2
CO6	1	2	3
AVERAGE	1.6	1.2	2.33

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	10	15	25	25	15	10	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						70%	80%						
1	IT2016/071	11700216007	VIVEK KUMAR		7	13	22	21	12	9	75	0	1	1	1	1	1	1
2	IT2016/075	11700216009	UZZWALPREET KAUR		10	12	23	22	14	10	85	1	1	1	1	1	1	1
3	IT2016/047	11700216010	TURNISHA SARKAR		10	11	22	21	14	10	85	1	0	1	1	1	1	1
4	IT2016/037	11700216011	TIASHA SARKAR		8	13	22	22	13	10	75	1	1	1	1	1	1	1
5	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	13	21	23	12	8	75	0	1	1	1	1	1	1
6	IT2016/081	11700216013	SWETA BOSE		9	14	18	20	12	7	65	1	1	0	1	1	0	0
7	IT2016/028	11700216014	SWARNALI ROY		10	13	19	21	13	8	65	1	1	0	1	1	1	0
8	IT2016/020	11700216018	SUDHANSHU KUMAR		6	14	22	22	11	9	75	0	1	1	1	0	1	1
9	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	13	24	21	11	8	85	1	1	1	1	0	1	1
10	IT2016/057	11700216021	SREJITA SAHA		9	14	23	23	12	7	75	1	1	1	1	1	0	1
11	IT2016/038	11700216022	SOMA ROY		10	13	24	22	12	10	85	1	1	1	1	1	1	1
12	IT2016/049	11700216027	SHREYA VATS		9	15	20	22	14	9	65	1	1	1	1	1	1	0
13	IT2016/002	11700216035	RONAK BARMAN		10	12	18	23	11	9	65	1	1	0	1	0	1	0
14	IT2016/004	11700216039	RIBHU GHOSH		9	14	19	21	13	9	65	1	1	0	1	1	1	0
15	IT2016/069	11700216041	RAJARSHI DAS		9	13	20	22	12	10	65	1	1	1	1	1	1	0
16	IT2016/055	11700216042	RAHUL KUMAR THAKUR		10	15	21	21	14	9	75	1	1	1	1	1	1	1
17	IT2016/042	11700216043	RAHUL KARMAKAR		9	14	21	22	14	9	75	1	1	1	1	1	1	1
18	IT2016/011	11700216044	RAHUL BARMAN		9	12	20	23	13	9	75	1	1	1	1	1	1	1

19	IT2016/077	11700216045	PUSPITA DAS	8	11	23	21	13	8	85	1	0	1	1	1	1
20	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	10	17	20	12	10	55	1	0	0	1	1	1	0
21	IT2016/070	11700216050	PRASENJIT DEY	8	14	21	20	12	9	75	1	1	1	1	1	1	1
22	IT2016/025	11700216051	PRAKASH KUMAR SINGH	10	10	21	18	14	9	65	1	0	1	0	1	1	0
23	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	18	22	12	9	65	1	1	0	1	1	1	0
24	IT2016/008	11700216059	KUNAL THAKUR	9	11	20	22	15	10	55	1	0	1	1	1	1	0
25	IT2016/045	11700216060	KUMARI RIYA	10	14	24	21	14	10	95	1	1	1	1	1	1	1
26	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	23	24	14	10	85	1	1	1	1	1	1	1
27	IT2016/076	11700216062	KUMAR ADITYA	8	12	20	22	12	10	65	1	1	1	1	1	1	0
28	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	21	12	9	75	1	1	1	1	1	1	1
29	IT2016/088	11700216070	ESHA GUPTA	8	13	21	24	14	9	85	1	1	1	1	1	1	1
30	IT2016/043	11700216072	DEVESH DUGAR	8	14	22	22	14	8	75	1	1	1	1	1	1	1
31	IT2016/040	11700216076	BIKRAM MITRA	8	12	21	22	13	10	75	1	1	1	1	1	1	1
32	IT2016/009	11700216077	BIDISHA MONDAL	9	12	22	21	13	10	85	1	1	1	1	1	1	1
33	IT2016/016	11700216081	AVIJIT DAS	8	13	22	23	12	9	75	1	1	1	1	1	1	1
34	IT2016/054	11700216087	ARIHANT RAJ	8	13	23	24	14	9	75	1	1	1	1	1	1	1
35	IT2016/033	11700216089	ARGHADEEP MONDAL	9	13	20	21	12	10	75	1	1	1	1	1	1	1
36	IT2016/091	11700216091	ANWESHA SAHA	9	13	22	22	13	10	85	1	1	1	1	1	1	1
37	IT2016/012	11700216092	ANUMITA SAHA	8	12	20	23	14	10	75	1	1	1	1	1	1	1
38	IT2016/072	11700216093	ANSHUMAN BAKSHI	8	13	20	15	14	9	55	1	1	1	0	1	1	0
39	IT2016/084	11700216094	ANKITA SAHA	9	12	22	21	14	9	75	1	1	1	1	1	1	1

1	36	34	34	39	37	37	27
0	3	5	6	2	3	2	12
CO attn	0.92	0.92	0.92	0.92	0.92	0.92	**0.69**

Avg Attn	**0.89**
Attn Level	**3**

Avg Attn	**0.69**
Attn Level	**1**

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	**2**

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	
Avg values from table 1	3.00	2.00	1.83	1.80	2.00	0	0	0	0	0	0	2.00	
Overall (Direct) CO attainment level	2	2	2	2	2	2	2	2	2	2	2	2	
Attainment of PO for this course	2.00	1.33	1.22	1.20	1.33	0.00	0.00	0.00	0.00	0.00	0.00	1.33	**0.70**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	**PSO2**	**PSO3**	
Avg values from table 2	1.60	1.20	2.33	
Overall (Direct) CO attainment level	2	2	2	
Attainment of PSO for this course	1.07	0.80	1.56	**1.14**

Mapping of CO with PO and PSO of Seminar (Paper code: IT681)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	1	2	2	1	2	2	3	2	1	2
CO2	3	3	3	3	2	1	1	1	3	2	1	3
CO3	1	-	-	-	1	-	-	-	3	3	-	1
CO4	2	1	-	1	1	2	-	2	3	2	2	2
CO5	3	3	3	3	3	3	3	2	3	1	2	3
CO6	3	1	1	-	-	-	-	2	2	3	2	1
AVERAGE	2.50	2.20	2.00	2.25	1.80	1.75	2.00	1.80	2.83	2.17	1.60	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	3
CO2	3	2	3
CO3	1	1	2
CO4	3	3	2
CO5	3	3	3
CO6	1	2	3
AVERAGE	2.33	2.33	2.67

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				Internal Continuous Assessment (60)						External Assessment (40)							
				Course Outcomes	Continuous Assessment-1 (30)			Continuous Assessment-2 (30)			Univ. Exam	Course Outcome Attainment with target in %						
					CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	10	10	10	10	10	10	40	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		8	9	10	9	9	9	33	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		8	9	10	9	9	9	37	1	1	1	1	1	1	0
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		9	5	10	9	9	9	30	1	0	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		8	9	10	9	9	9	37	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		8	9	10	9	9	9	37	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		8	9	10	9	9	9	37	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		8	9	10	9	9	9	37	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		8	9	10	9	9	9	37	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		8	8	10	9	9	9	33	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		9	9	10	9	9	9	37	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		8	5	10	9	9	9	33	1	0	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		8	9	10	9	9	9	33	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		8	9	10	9	9	9	33	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		8	9	10	9	9	9	37	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		8	9	10	9	9	9	33	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		8	5	10	9	9	9	37	1	0	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		9	9	10	9	9	9	33	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		8	8	10	9	9	9	33	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		8	9	10	9	9	9	33	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		10	9	9	8	8	8	33	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		8	9	9	8	8	8	37	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		8	9	9	8	8	8	37	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		8	8	9	8	8	8	37	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		8	9	9	8	8	8	37	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		8	9	9	8	8	8	37	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		8	9	9	8	8	8	33	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		8	9	9	8	8	8	37	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		8	9	9	8	8	8	33	1	1	1	1	1	1	0
29	IT2016/030	11700216034	SAMRAT HALDER		8	5	6	8	8	8	30	1	0	0	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		8	9	9	8	8	8	37	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		8	9	9	8	8	8	37	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		8	8	9	8	8	8	37	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		9	9	9	8	8	8	33	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		8	9	9	8	8	8	37	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		8	9	9	8	8	8	33	1	1	1	1	1	1	1

36	IT2016/069	11700216041	RAJARSHI DAS	8	9	9	8	8	8	37	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	8	9	9	8	8	8	37	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	8	9	9	8	8	8	37	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	8	9	9	8	8	8	37	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	8	8	9	8	8	8	37	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	8	9	9	8	8	8	33	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	8	9	8	8	8	8	33	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	8	8	8	8	8	8	33	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	8	9	8	8	8	8	37	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	10	9	8	8	8	8	37	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	8	9	8	8	8	8	37	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	8	9	8	8	8	8	33	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	9	8	8	8	8	37	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	8	9	8	8	8	8	37	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	8	9	8	8	8	8	37	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	8	9	8	8	8	8	37	1	1	1	1	1	1	0
52	IT2016/066	11700216058	LAKHAN KUMAR	8	5	7	8	8	8	30	1	0	0	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	8	9	8	8	8	8	33	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	8	9	8	10	10	10	37	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	8	9	8	10	10	10	37	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	9	8	10	10	10	33	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	8	9	8	10	10	10	37	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	10	9	8	10	10	10	33	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	8	9	8	10	10	10	37	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	8	9	8	10	10	10	37	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	8	9	8	10	10	10	37	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	8	9	8	10	10	10	37	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	8	9	8	10	10	10	37	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	10	9	8	10	10	10	37	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	8	9	8	10	10	10	37	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	8	9	8	10	10	10	37	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	8	9	8	10	10	10	37	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	8	9	8	10	10	10	33	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	8	9	8	10	10	10	37	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	8	9	8	10	10	10	37	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	8	9	8	10	10	10	37	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	8	9	8	10	10	10	33	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	8	9	8	10	10	10	37	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	9	9	8	10	10	10	37	1	1	1	1	1	1	0
75	IT2016/032	11700216082	ATANU GHARA	8	5	6	10	10	10	30	1	0	0	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	8	9	9	10	10	10	37	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	8	9	9	10	10	10	37	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	8	9	9	10	10	10	37	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	8	9	9	10	10	10	33	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	9	9	9	10	10	10	37	1	1	1	1	1	1	0
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	5	6	10	10	10	30	1	0	0	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	8	9	9	10	10	10	33	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	8	9	9	10	10	10	37	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	8	9	9	10	10	10	37	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	8	9	9	10	10	10	37	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	8	9	9	10	10	10	37	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	8	9	9	10	10	10	37	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	8	9	9	10	10	10	37	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	8	9	9	10	10	10	37	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	8	9	9	10	10	10	37	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	8	9	9	10	10	10	37	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	9	9	10	10	10	33	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	9	9	9	10	10	10	33	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	8	9	9	10	10	10	33	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	8	9	9	10	10	10	33	1	1	1	1	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	8	5	9	10	10	10	30	1	0	1	1	1	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	8	9	9	10	10	10	33	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	8	9	9	10	10	10	37	1	1	1	1	1	1	0

1	98	90	94	98	98	98	91
0	0	8	4	0	0	0	7
CO attn	1.00	0.92	0.96	1.00	1.00	1.00	0.94

Avg Attn	0.98
Attn Lvl	3

Avg Attn	0.94
Attn Lvl	3

Overall Course Outcome Attainment													
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 60% of CO attainment level ininternal Assessment + 40% of CO attainment level in ESE(End Semester Exam)													
Direct CO attainment level			3										
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	2.50	2.20	2.00	2.25	1.80	1.75	2.00	1.80	2.83	2.17	1.60	2.00	
Overall (Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	2.50	2.20	2.00	2.25	1.80	1.75	2.00	1.80	2.83	2.17	1.60	2.00	**2.08**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.33	2.33	2.67	
Overall (Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	2.33	2.33	2.67	**2.45**

Mapping of CO with PO and PSO of Data Base Management System Lab (Paper code: IT691)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	-	-	-	1	-	-	-	-	-	2
CO2	3	2	2	2	2	-	-	-	-	-	-	2
CO3	3	2	2	3	1	-	-	-	-	1	1	1
CO4	3	3	3	2	1	-	-	-	-	1	1	2
CO5	3	2	-	-	-	1	-	-	-	-	-	2
CO6	3	2	-	-	-	1	-	-	-	-	1	1
AVERAGE.	3.00	2.33	2.33	2.33	1.33	1.00	0	0	0	1.00	1.00	1.67
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	2	-	-
CO2	3	-	-
CO3	2	2	-
CO4	3	1	1
CO5	2	-	1
CO6	3	-	1
AVERAGE.	2.50	1.50	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL PCA's						Univ. Exam	Course Outcome Attainment with target in %						
				PCA1			PCA2										
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%					80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		15	15	10	14	15	9	57	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		13	14	10	12	13	8	51	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		14	14	10	10	12	6	51	1	1	1	0	1	0	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		15	15	10	15	14	9	57	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		14	12	10	14	15	9	57	1	1	1	1	1	1	1

6	IT2016/037	11700216011	TIASHA SARKAR	14	13	10	14	14	8	57	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY	15	13	10	14	13	8	57	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE	13	12	10	12	8	8	57	1	1	1	1	0	1	1
9	IT2016/028	11700216014	SWARNALI ROY	15	15	10	13	12	8	57	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE	12	12	9	12	12	7	57	1	1	1	1	1	0	1
11	IT2016/013	11700216016	SUSTHIT BISWAS	12	12	10	12	13	7	51	1	1	1	1	1	0	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR	15	15	10	15	14	9	51	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR	12	13	9	13	13	8	57	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI	12	14	10	12	12	9	57	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	13	13	10	13	12	9	57	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	13	12	9	12	10	5	57	1	1	1	1	0	0	1
17	IT2016/038	11700216022	SOMA ROY	10	12	9	12	14	8	51	0	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	10	12	9	12	12	6	51	0	1	1	1	1	0	1
19	IT2016/014	11700216024	SIDDHANT SAHANI	14	13	9	12	10	5	51	1	1	1	1	0	0	1
20	IT2016/031	11700216025	SHUBHA GAYEN	13	13	6	12	10	6	51	1	1	0	1	0	0	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	15	15	10	12	13	8	57	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	10	10	7	12	9	9	51	0	0	0	1	0	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	10	13	7	9	9	8	51	0	1	0	0	0	1	1
24	IT2016/021	11700216029	SHASHANK ROY	14	13	8	12	13	9	57	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	10	13	9	12	10	6	51	0	1	1	1	0	0	1
26	IT2016/046	11700216031	SAYON MOULIK	9	10	10	13	8	6	57	0	0	1	1	0	0	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	13	13	8	13	12	8	51	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	15	15	10	12	13	8	57	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	13	14	10	13	14	7	57	1	1	1	1	1	0	1
30	IT2016/002	11700216035	RONAK BARMAN	10	15	5	10	10	6	51	0	1	0	0	0	0	1
31	IT2016/036	11700216036	ROHIT SINGH	14	13	10	14	15	9	57	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	13	14	8	13	12	6	57	1	1	1	1	1	0	1
33	IT2016/083	11700216038	RITTIKA PAUL	15	10	10	12	14	9	57	1	0	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	15	15	10	12	14	10	57	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	10	13	9	14	15	8	57	0	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	13	12	10	14	12	8	57	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	13	14	10	14	12	9	57	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	13	14	10	14	12	9	57	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	13	14	8	12	14	6	57	1	1	1	1	1	0	1
40	IT2016/077	11700216045	PUSPITA DAS	14	15	10	13	12	9	57	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	13	12	10	15	12	6	57	1	1	1	1	1	0	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	8	5	5	14	12	5	57	0	0	0	1	1	0	1
43	IT2016/093	11700216048	PRITAM MANNA	8	10	10	12	14	6	51	0	0	1	1	1	0	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	15	13	10	13	14	9	57	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	12	13	10	12	12	6	57	1	1	1	1	1	0	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	12	10	5	12	14	9	51	1	0	0	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	13	14	10	13	14	9	57	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	12	12	8	14	13	8	57	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	12	13	8	12	12	9	57	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	10	6	12	6	6	51	0	0	0	1	0	0	1
51	IT2016/062	11700216056	MD MUZAMMIL	12	13	10	12	12	8	57	1	1	1	1	1	1	1
52	IT2016/066	11700216057	LAKHAN KUMAR	12	13	11	12	13	9	57	1	1	1	1	1	1	1
53	IT2016/008	11700216058	KUNAL THAKUR	10	10	7	8	10	6	51	0	0	0	0	0	0	1
54	IT2016/045	11700216059	KUMARI RIYA	13	14	10	13	12	9	57	1	1	1	1	1	1	1
55	IT2016/023	11700216060	KUMAR ANUBHAV	12	15	9	13	14	9	57	1	1	1	1	1	1	1
56	IT2016/076	11700216061	KUMAR ADITYA	7	10	10	10	9	9	51	0	0	1	0	0	1	1
57	IT2016/073	11700216062	KAVERI SAHA	13	10	10	11	12	9	57	1	0	1	0	1	1	1
58	IT2016/019	11700216063	INDRANI MAITY	12	13	9	13	10	9	57	1	1	1	1	0	1	1
59	IT2016/007	11700216064	HOZAIFA WAHID	13	12	10	12	13	9	57	1	1	1	1	1	1	1
60	IT2016/079	11700216065	HIMANSHU SHARAN	10	13	10	9	11	7	57	0	1	1	0	0	0	1
61	IT2016/018	11700216066	HIMANSHU JAISWAL	7	7	5	10	10	6	51	0	0	0	0	0	0	1
62	IT2016/035	11700216067	HEMANT KUMAR AGARWAL	15	10	5	13	12	9	51	1	0	0	1	1	1	1
63	IT2016/006	11700216068	HARSHIT ANAND GUPTA	13	10	7	10	9	9	57	1	0	0	0	0	1	1
64	IT2016/088	11700216069	ESHA GUPTA	10	12	7	14	10	9	57	0	1	0	1	0	1	1
65	IT2016/089	11700216070	DIPANJAN RAY	8	12	10	11	10	7	57	0	1	1	0	0	0	1
66	IT2016/043	11700216071	DEVESH DUGAR	5	10	8	8	10	6	57	0	0	1	0	0	0	1
67	IT2016/060	11700216072	DAMINI KUMARI	8	10	8	10	10	7	57	0	0	1	0	0	0	1
68	IT2016/015	11700216073	BITTU KUMAR	12	10	5	12	13	9	57	1	0	0	1	1	1	1
69	IT2016/040	11700216074	BIKRAM MITRA	12	9	10	10	10	8	57	1	0	1	0	0	1	1
70	IT2016/009	11700216075	BIDISHA MONDAL	10	10	14	15	14	9	57	0	0	1	1	1	1	1
71	IT2016/095	11700216076	AYUSH PARWAL	10	10	8	13	9	8	51	0	0	1	1	0	1	1
72	IT2016/064	11700216077	AVINASH KUMAR SINGH	12	9	5	12	12	8	51	1	0	0	1	1	1	1
73	IT2016/090	11700216078	AVIK DATTA	8	10	8	9	12	9	51	0	0	1	0	1	1	1
74	IT2016/016	11700216079	AVIJIT DAS	10	12	7	14	9	9	57	0	1	0	1	0	1	1
75	IT2016/032	11700216080	ATANU GHARA	13	15	5	13	14	9	51	1	1	0	1	1	1	1
76	IT2016/041	11700216081	ASHISH JAISWAL	13	10	9	6	8	10	57	1	0	1	0	1	1	1
77	IT2016/063	11700216082	ARUNAVA CHAUDHURI	15	13	7	14	14	9	57	1	1	0	1	1	1	1
78	IT2016/082	11700216083	ARPITA ROY CHOWDHURY	10	13	10	12	10	7	57	0	1	1	1	0	1	1
79	IT2016/017	11700216084	ARNAB DAS	10	9	10	13	9	9	51	0	0	1	1	1	1	1
80	IT2016/054	11700216085	ARIHANT RAJ	10	10	10	12	12	6	57	0	0	1	1	1	1	1
81	IT2016/001	11700216086	ARGHYA MRIDHA	8	12	5	12	7	10	51	0	1	0	1	0	1	1
82	IT2016/033	11700216087	ARGHADEEP MONDAL	12	9	10	14	7	9	57	1	0	1	1	0	1	1

83	IT2016/091	11700216088	ANWESHA SAHA	10	13	5	13	8	4	51	0	1	0	1	0	0	1
84	IT2016/012	11700216089	ANUMITA SAHA	9	5	5	14	9	9	45	0	0	0	1	0	1	0
85	IT2016/072	11700216091	ANSHUMAN BAKSHI	12	13	9	12	7	10	51	1	1	1	1	0	1	1
86	IT2016/084	11700216092	ANKITA SAHA	12	10	5	12	10	10	57	1	0	0	1	0	1	1
87	IT2016/068	11700216093	ANKITA DATTA	13	9	10	12	10	10	51	1	0	1	1	0	1	1
88	IT2016/074	11700216094	AMIT KUMAR	13	8	9	12	5	8	45	1	0	1	1	0	1	0
89	IT2016/051	11700216095	AMAN KUMAR	12	10	10	14	12	9	51	1	0	1	1	1	1	1
90	IT2016/044	11700216096	AMAN JAISWAL	13	10	7	12	12	8	51	1	0	0	1	1	1	1
91	IT2016/061	11700216097	AGNIBHO HOM CHOWDHURY	12	15	9	14	13	10	57	1	1	1	1	1	1	1
92	IT2016/039	11700216098	ABISHEK KUMAR MONDAL	15	13	9	15	13	9	57	1	1	1	1	1	1	1
93	IT2017/L01	11700216099	SUTANUKA DAS	10	12	10	14	6	8	51	0	1	1	1	0	1	1
94	IT2017/L06	11700216100	SNEHA YADAV	10	12	10	13	10	10	45	0	1	1	1	0	1	0
95	IT2017/L03	11700217001	RUMELI BANERJEE	10	10	9	10	8	8	45	0	0	1	0	0	1	0
96	IT2017/L02	11700217002	DEBJIT BHATTA	8	10	10	12	9	9	39	0	0	1	1	0	1	0
97	IT2017/L05	11700217003	DEBALINA MAITI	10	12	8	10	10	8	51	0	1	1	0	0	1	1
98	IT2017/L04	11700217004	ANWESHA DEY	10	12	10	13	7	9	57	0	1	1	1	0	1	1

1	63	65	76	81	60	73	93
0	35	33	22	17	38	25	5
CO attn	0.64	0.66	0.78	0.83	0.61	0.74	0.95

Avg Attn	0.71
Attn Level	2

Avg Attn	0.95
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level: 2.6

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.33	2.33	2.33	1.33	1.00	0	0	0	1.00	1.00	1.67	
Overall(Direct) CO attainment level	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
Attainment of PO for this course	2.60	2.02	2.02	2.02	1.16	0.87	0.00	0.00	0.00	0.87	0.87	1.44	**1.16**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.50	1.50	1	
Overall(Direct) CO attainment level	2.6	2.6	2.6	
Attainment of PSO for this course	2.17	1.30	0.87	**1.44**

Mapping of CO with PO and PSO of Computer Networking Laboratory (Paper code: IT692)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	-	-	-	-	1	1	-	3	-	2
CO2	3	2	2	1	3	-	-	1	1	1	1	3
CO3	3	3	3	1	1	-	-	-	2	2	2	2
CO4	3	2	2	2	1	2	1	2	2	2	2	2
CO5	3	2	-	-	2	-	-	2	-	1	-	2
CO6	3	3	2	3	2	2	2	2	3	2	2	3
AVERAGE	3.00	2.17	2.25	1.75	1.80	2.00	1.33	1.60	2.00	1.83	1.75	2.33

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	3	3
CO2	3	2	3
CO3	3	2	2
CO4	3	2	3
CO5	1	2	1
CO6	3	2	3
AVERAGE	2.33	2.17	2.50

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level																				
					ALL PCA's															
					PCA1			PCA2			Univ. Exam									
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %								
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam		
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%								
1	IT2016/034	11700216006	YASH AGARWAL		14	14	10	14	15	10	51	1	1	1	1	1	1	1		
2	IT2016/071	11700216007	VIVEK KUMAR		14	14	10	15	14	10	51	1	1	1	1	1	1	1		
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		15	15	7	15	15	10	51	1	1	0	1	1	1	1		
4	IT2016/075	11700216009	UZZWALPREET KAUR		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
5	IT2016/047	11700216010	TURNISHA SARKAR		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
6	IT2016/037	11700216011	TIASHA SARKAR		12	13	9	12	12	10	45	1	1	1	1	1	1	0		
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
8	IT2016/081	11700216013	SWETA BOSE		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
9	IT2016/028	11700216014	SWARNALI ROY		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
11	IT2016/013	11700216016	SUSTHIT BISWAS		15	14	10	15	14	10	51	1	1	1	1	1	1	1		
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
13	IT2016/020	11700216018	SUDHANSHU KUMAR		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
14	IT2016/094	11700216019	SUBHOJEET BHADURI		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
16	IT2016/057	11700216021	SREJITA SAHA		11	12	9	11	11	8	39	0	1	1	0	0	1	0		
17	IT2016/038	11700216022	SOMA ROY		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
18	IT2016/058	11700216023	SK MD FARUK		15	14	10	14	14	10	51	1	1	1	1	1	1	1		
19	IT2016/014	11700216024	SIDDHANT SAHANI		15	15	10	14	15	10	51	1	1	1	1	1	1	1		
20	IT2016/031	11700216025	SHUBHA GAYEN		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
21	IT2016/065	11700216026	SHREYASH CHAMARIA		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
22	IT2016/049	11700216027	SHREYA VATS		15	14	10	14	14	10	51	1	1	1	1	1	1	1		
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
24	IT2016/021	11700216029	SHASHANK ROY		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
25	IT2016/053	11700216030	SHAHZEB AKHTAR		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
26	IT2016/046	11700216031	SAYON MOULIK		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		15	14	10	14	14	10	51	1	1	1	1	1	1	1		
28	IT2016/029	11700216033	SANANDA PODDER		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
29	IT2016/030	11700216034	SAMRAT HALDER		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
30	IT2016/002	11700216035	RONAK BARMAN		11	11	8	11	12	9	39	0	0	1	0	1	1	0		
31	IT2016/036	11700216036	ROHIT SINGH		15	14	10	15	14	10	51	1	1	1	1	1	1	1		
32	IT2016/048	11700216037	RITWIKA BANERJEE		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
33	IT2016/083	11700216038	RITTIKA PAUL		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
34	IT2016/004	11700216039	RIBHU GHOSH		15	14	10	15	15	10	51	1	1	1	1	1	1	1		
35	IT2016/067	11700216040	RAVI SHANKAR		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
36	IT2016/069	11700216041	RAJARSHI DAS		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
38	IT2016/042	11700216043	RAHUL KARMAKAR		14	14	10	14	15	10	51	1	1	1	1	1	1	1		
39	IT2016/011	11700216044	RAHUL BARMAN		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
40	IT2016/077	11700216045	PUSPITA DAS		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
41	IT2016/092	11700216046	PRIYANKA DAS		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
43	IT2016/093	11700216048	PRITAM MANNA		14	15	10	14	14	10	51	1	1	1	1	1	1	1		
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
45	IT2016/070	11700216050	PRASENJIT DEY		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		14	15	10	14	15	10	51	1	1	1	1	1	1	1		
47	IT2016/010	11700216052	PIYUSH KUMAR		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
49	IT2016/085	11700216054	PAROMITA PODDAR		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
51	IT2016/062	11700216056	MD MUZAMMIL		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
52	IT2016/066	11700216058	LAKHAN KUMAR		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
53	IT2016/008	11700216059	KUNAL THAKUR		15	15	10	14	15	10	51	1	1	1	1	1	1	1		
54	IT2016/045	11700216060	KUMARI RIYA		15	14	10	14	14	10	51	1	1	1	1	1	1	1		
55	IT2016/023	11700216061	KUMAR ANUBHAV		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
56	IT2016/076	11700216062	KUMAR ADITYA		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
57	IT2016/073	11700216063	KAVERI SAHA		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
58	IT2016/019	11700216064	INDRANI MAITY		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
59	IT2016/007	11700216065	HOZAIFA WAHID		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
60	IT2016/079	11700216066	HIMANSHU SHARAN		13	12	9	13	13	10	45	1	1	1	1	1	1	0		
61	IT2016/018	11700216067	HIMANSHU JAISWAL		15	14	10	14	14	10	51	1	1	1	1	1	1	1		
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL		14	15	10	14	14	10	51	1	1	1	1	1	1	1		
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
64	IT2016/088	11700216070	ESHA GUPTA		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
65	IT2016/089	11700216071	DIPANJAN RAY		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
66	IT2016/043	11700216072	DEVESH DUGAR		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
67	IT2016/060	11700216073	DAMINI KUMARI		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
68	IT2016/015	11700216075	BITTU KUMAR		15	15	10	15	15	10	57	1	1	1	1	1	1	1		
69	IT2016/040	11700216076	BIKRAM MITRA		14	14	10	14	15	10	51	1	1	1	1	1	1	1		
70	IT2016/009	11700216077	BIDISHA MONDAL		15	15	10	15	15	10	57	1	1	1	1	1	1	1		

71	IT2016/095	11700216078	AYUSH PARWAL	14	15	10	15	15	10	51	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	13	13	9	13	12	9	45	1	1	1	1	1	1	0
73	IT2016/090	11700216080	AVIK DATTA	14	15	10	14	14	10	51	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	15	15	10	15	15	10	57	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	12	12	9	13	13	9	45	1	1	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	15	15	10	15	15	10	57	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	15	15	10	15	15	10	57	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	15	15	10	15	15	10	57	1	1	1	1	0	1	1
79	IT2016/017	11700216086	ARNAB DAS	15	15	10	15	15	10	57	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	15	15	10	15	15	10	57	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	9	9	8	9	9	8	33	0	0	1	0	0	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	15	15	10	15	15	10	57	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	15	15	10	15	15	10	51	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	13	13	9	12	13	10	45	1	1	1	1	1	1	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	15	15	10	15	15	10	57	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	14	14	10	14	15	10	51	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	15	15	10	15	15	10	57	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	12	12	8	11	12	8	39	1	1	1	0	1	1	0
89	IT2016/051	11700216097	AMAN KUMAR	15	15	10	15	14	10	51	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	15	14	10	14	15	10	51	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	15	14	10	14	15	10	51	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	14	14	10	14	14	10	51	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	15	14	10	15	15	10	51	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	14	15	10	15	15	10	51	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	12	12	9	13	13	10	45	1	1	1	1	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	12	11	9	11	12	9	39	1	0	1	0	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	15	15	10	15	15	10	57	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	14	15	10	14	15	10	51	1	1	1	1	1	1	1

1	95	95	97	93	95	98	87
0	3	3	1	5	3	0	11
CO attn	0.97	0.97	0.99	0.95	0.97	1.00	0.89

Avg Attn	0.97
Attn Level	3

Avg Attn	0.89
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	3

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.17	2.25	1.75	1.80	2.00	1.33	1.60	2.00	1.83	1.75	2.33	
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	3.00	2.17	2.25	1.75	1.80	2.00	1.33	1.60	2.00	1.83	1.75	2.33	**1.98**

PSO attainment vale = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.33	2.17	2.5	
Overall(Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	2.33	2.17	2.50	**2.33**

Mapping of CO with PO and PSO of Software Engineering Lab (Paper code: IT693)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-	1	1	-	-	2	-	2	2
CO2	2	3	-	1	2	1	-	-	2	-	1	2
CO3	2	1	-	2	3	1	-	-	2	-	1	2
CO4	2	2	3	2	2	1	1	1	2	2	1	2
CO5	2	2	3	1	2	1	2	2	2	1	1	2
CO6	2	2	3	2	2	1	2	2	2	3	3	2
AVERAGE	2.00	2.00	3.00	1.60	2.00	1.00	1.67	1.67	2.00	2.00	1.50	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	2	1
CO2	2	2	1
CO3	1	2	1
CO4	-	2	2
CO5	2	2	2
CO6	2	2	2
AVERAGE	1.60	2.00	1.50

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL PCA's						Univ. Exam	Course Outcome Attainment with target in %						
				PCA1			PCA2										
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%					
1	IT2016/034	11700216006	YASH AGARWAL		14	13	8	14	14	8	55	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		14	14	9	13	13	10	50	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		12	12	8	12	12	8	48	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		14	15	9	15	14	9	55	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		14	14	10	14	15	9	56	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		14	14	8	14	14	8	49	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		13	13	8	12	13	8	50	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		13	13	10	12	12	10	56	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		15	14	9	13	12	10	56	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		13	13	10	13	12	10	57	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		12	11	9	12	11	8	49	1	0	1	1	0	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		10	13	9	12	12	8	47	0	1	1	1	1	1	0
13	IT2016/020	11700216018	SUDHANSHU KUMAR		12	13	9	12	12	8	56	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		15	14	8	14	15	7	55	1	1	1	1	1	0	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		14	13	8	12	12	8	57	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		13	13	10	12	14	8	55	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		15	14	9	15	14	8	49	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		10	12	8	12	9	9	42	0	1	1	1	0	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		13	12	8	12	12	9	42	1	1	1	1	1	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN		14	15	9	14	14	8	56	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		10	12	8	10	12	8	50	0	1	1	0	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		13	12	8	12	11	8	50	1	1	1	1	0	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		12	12	9	11	14	8	47	1	1	1	0	1	1	0
24	IT2016/021	11700216029	SHASHANK ROY		14	14	7	12	12	10	56	1	1	0	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		12	12	8	10	12	8	45	1	1	1	0	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK		13	12	7	12	14	10	57	1	1	0	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		12	12	9	13	12	8	51	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		12	13	9	13	13	7	57	1	1	1	1	1	0	1
29	IT2016/030	11700216034	SAMRAT HALDER		14	14	10	14	13	9	50	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		14	15	8	13	13	9	49	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		14	13	8	14	15	9	47	1	1	1	1	1	1	0
32	IT2016/048	11700216037	RITWIKA BANERJEE		13	13	9	12	12	10	57	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		12	14	9	12	14	8	50	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		14	14	10	14	13	9	56	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		12	13	9	12	12	9	45	1	1	1	1	1	1	0
36	IT2016/069	11700216041	RAJARSHI DAS		13	12	10	12	12	7	50	1	1	1	1	1	0	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		13	15	9	15	12	9	57	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		14	15	9	14	15	9	51	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		12	12	10	13	13	8	51	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		12	11	8	11	12	6	57	1	0	1	0	1	0	1
41	IT2016/092	11700216046	PRIYANKA DAS		15	13	9	13	13	9	56	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		13	13	10	12	13	9	49	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA		12	13	10	12	12	9	44	1	1	1	1	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		13	14	10	12	12	9	50	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY		12	12	6	12	11	6	51	1	1	0	1	0	0	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		13	12	8	12	12	8	45	1	1	1	1	1	1	0
47	IT2016/010	11700216052	PIYUSH KUMAR		12	14	9	13	12	9	51	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		12	13	8	11	12	8	51	1	1	1	0	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR		12	13	10	12	12	9	57	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		13	13	9	12	12	10	45	1	1	1	1	1	1	0
51	IT2016/062	11700216056	MD MUZAMMIL		12	13	10	12	12	10	50	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR		12	12	10	13	12	8	47	1	1	1	1	1	1	0
53	IT2016/008	11700216059	KUNAL THAKUR		13	13	9	13	12	9	58	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA		12	12	9	13	12	7	56	1	1	1	1	1	0	1
55	IT2016/023	11700216061	KUMAR ANUBHAV		14	14	8	13	13	9	51	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA		12	12	6	10	12	8	47	1	1	0	0	1	1	0
57	IT2016/073	11700216063	KAVERI SAHA		12	14	8	12	12	8	35	1	1	1	1	1	1	0
58	IT2016/019	11700216064	INDRANI MAITY		13	14	8	12	13	8	58	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID		13	12	8	13	11	7	48	1	1	1	1	0	0	1
60	IT2016/079	11700216066	HIMANSHU SHARAN		12	12	10	12	11	9	47	1	1	1	1	0	1	0
61	IT2016/018	11700216067	HIMANSHU JAISWAL		13	13	9	12	12	10	49	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL		12	12	7	12	11	7	50	1	1	0	1	0	0	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA		14	15	10	14	15	9	57	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA		14	14	9	14	13	9	56	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY		12	12	10	12	10	6	57	1	1	1	1	0	0	1
66	IT2016/043	11700216072	DEVESH DUGAR		14	12	10	12	11	7	50	1	1	1	1	0	0	1
67	IT2016/060	11700216073	DAMINI KUMARI		12	12	7	12	10	8	48	1	1	0	1	0	1	1
68	IT2016/015	11700216075	BITTU KUMAR		12	13	9	12	13	8	43	1	1	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA		15	14	8	14	14	9	50	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL		13	13	10	13	13	8	56	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL		14	14	8	14	12	8	57	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH		12	10	8	10	11	8	48	1	0	1	0	0	1	1
73	IT2016/090	11700216080	AVIK DATTA		13	12	8	12	12	8	47	1	1	1	1	1	1	0
74	IT2016/016	11700216081	AVIJIT DAS		13	13	9	12	12	10	45	1	1	1	1	1	1	0
75	IT2016/032	11700216082	ATANU GHARA		13	12	10	12	12	8	44	1	1	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL		13	13	8	12	10	10	45	1	1	1	1	1	1	0
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI		14	13	10	13	13	10	58	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY		13	13	9	12	12	7	57	1	1	1	1	1	1	1

79	IT2016/017	11700216086	ARNAB DAS	13	13	9	13	12	9	50	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	15	14	8	14	14	8	58	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	8	8	8	7	7	38	0	0	1	0	0	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	14	15	8	12	14	9	42	1	1	1	1	1	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	13	13	9	13	12	9	49	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	12	10	7	11	10	8	50	1	0	0	0	0	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	12	12	10	12	10	7	51	1	1	1	1	0	0	1
86	IT2016/084	11700216094	ANKITA SAHA	12	12	9	12	10	9	57	1	1	1	1	0	1	1
87	IT2016/068	11700216095	ANKITA DATTA	12	13	9	13	12	8	49	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	14	13	9	12	12	9	49	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	12	13	10	13	13	8	50	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	12	12	8	12	11	8	44	1	1	1	1	0	1	0
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	14	13	10	12	13	9	50	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	14	15	9	13	12	9	51	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	13	13	9	12	13	9	46	1	1	1	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	13	10	10	13	13	7	50	1	0	1	1	1	0	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	12	13	10	13	12	7	50	1	1	1	1	1	0	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	13	12	6	10	12	9	44	1	1	0	0	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	12	12	10	14	13	10	50	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	12	12	8	12	13	10	49	1	1	1	1	1	1	1

1	94	92	90	88	82	84	74
0	4	6	8	10	16	14	24
CO attn	0.96	0.94	0.92	0.90	0.84	0.86	0.76

Avg Attn	0.90
Attn Level	3

Avg Attn	0.76
Attn Level	2

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	2.4

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	2.00	2.00	3.00	1.60	2.00	1.00	1.67	1.67	2.00	2.00	1.50	2.00	
Overall(Direct) CO attainment level	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
Attainment of PO for this course	1.60	1.60	2.40	1.28	1.60	0.80	1.33	1.33	1.60	1.60	1.20	1.60	**1.62**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	1.60	2.00	1.5	
Overall(Direct) CO attainment level	2.4	2.4	2.4	
Attainment of PSO for this course	1.28	1.60	1.20	**1.36**

Attainment Details of Semester VII

Mapping of CO with PO and PSO of Internet Technology (Paper code: IT701)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	3	2	1	3	3	3	-	2
CO2	2	3	1	2	2	1	-	1	2	1	1	3
CO3	2	2	3	1	1	-	1	2	3	2	2	1
CO4	2	2	3	2	1	3	3	3	3	2	2	2
CO5	2	3	1	3	3	1	2	1	3	1	2	2
CO6	3	1	2	1	1	-	1	2	2	1	2	2
AVERAGE	2.17	2.00	1.83	1.67	1.83	1.75	1.60	2.00	2.67	1.67	1.80	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	2	2	1
CO2	2	2	1
CO3	2	3	1
CO4	3	2	1
CO5	3	2	1
CO6	3	2	1
AVERAGE	2.50	2.17	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						60%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		8	13	20	10	8	22	71	1	1	1	0	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	10	21	13	7	19	70	0	0	1	1	0	0	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		9	12	23	14	9	22	65	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		9	11	22	12	9	21	81	1	0	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		8	13	21	13	9	22	71	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		7	13	21	13	7	21	72	0	1	1	1	0	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		9	14	23	15	8	24	76	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		9	14	24	14	9	23	75	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		9	13	21	12	10	22	80	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		8	13	23	14	9	24	68	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		9	14	23	13	10	23	74	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		6	14	20	12	8	20	75	0	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		7	13	21	12	8	20	69	0	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		9	13	24	14	9	23	73	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		9	14	22	13	9	24	75	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	13	23	15	9	23	75	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		7	14	20	14	8	21	65	0	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		9	13	24	15	9	24	75	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		9	13	22	14	8	23	65	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		9	12	20	13	7	21	55	1	1	1	1	0	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	15	23	15	9	24	75	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		9	14	24	14	9	24	82	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		9	14	22	14	9	24	75	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		9	14	22	14	8	23	65	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		9	13	23	13	8	23	65	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		9	12	21	13	8	22	58	1	1	1	1	1	1	0
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		8	13	22	14	9	23	65	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		9	12	21	12	9	22	65	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		9	12	22	14	8	22	65	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		9	14	23	13	9	24	76	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		9	13	23	13	9	23	65	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		8	14	23	13	9	22	65	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		9	13	23	14	10	23	77	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		8	15	24	15	9	25	80	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		9	13	22	12	9	3	65	1	1	1	1	1	0	1

36	IT2016/069	11700216041	RAJARSHI DAS	9	14	25	15	10	25	71	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	9	14	24	14	9	23	75	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	8	12	20	11	10	21	66	1	1	1	0	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	8	10	21	13	7	21	62	1	0	1	1	0	1	1
40	IT2016/077	11700216045	PUSPITA DAS	9	14	23	14	9	23	65	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	9	13	24	14	9	24	75	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	8	13	21	14	8	22	68	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	13	22	13	9	22	65	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	8	14	21	13	9	23	67	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	9	13	24	15	10	24	81	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	9	12	24	15	9	25	85	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	8	13	23	14	9	23	60	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	9	14	23	14	10	23	75	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	12	23	13	10	23	75	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	9	13	21	13	9	22	55	1	1	1	1	1	1	0
51	IT2016/062	11700216056	MD MUZAMMIL	8	12	20	13	7	20	45	1	1	1	1	0	1	0
52	IT2016/066	11700216058	LAKHAN KUMAR	9	14	23	13	10	23	56	1	1	1	1	1	1	0
53	IT2016/008	11700216059	KUNAL THAKUR	9	11	20	11	9	20	65	1	0	1	0	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	10	14	24	14	9	24	76	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	23	13	10	23	85	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	12	20	14	6	20	55	1	1	1	1	0	1	0
57	IT2016/073	11700216063	KAVERI SAHA	8	14	22	12	10	22	65	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	12	20	12	8	21	80	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	9	12	21	12	9	22	82	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	13	8	23	65	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	13	23	13	9	23	75	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	14	23	13	8	24	75	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	13	23	13	8	22	75	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	13	21	11	9	22	83	1	1	1	0	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	12	20	11	9	20	54	0	1	1	0	1	1	0
66	IT2016/043	11700216072	DEVESH DUGAR	8	14	22	13	9	23	75	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	9	12	20	13	8	21	58	1	1	1	1	1	1	0
68	IT2016/015	11700216075	BITTU KUMAR	9	13	22	14	8	22	75	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	8	12	21	13	8	21	65	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	9	12	22	12	8	21	65	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	11	20	12	9	20	55	1	0	1	1	1	1	0
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	12	22	13	9	23	65	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	9	11	20	12	9	21	55	1	0	1	1	1	1	0
74	IT2016/016	11700216081	AVIJIT DAS	8	13	22	13	10	22	75	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	14	23	13	10	23	75	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	9	14	22	13	10	23	75	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	12	20	13	6	20	55	1	1	1	1	0	1	0
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	14	23	14	9	23	75	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	9	13	24	14	10	24	75	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	13	23	13	9	23	75	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	12	20	12	8	20	68	1	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	13	20	12	8	20	71	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	9	13	22	13	8	22	65	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	8	12	20	11	9	20	70	1	1	1	0	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	8	13	20	12	9	21	65	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	9	12	22	12	9	23	75	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	7	13	20	13	8	21	55	0	1	1	1	1	1	0
88	IT2016/074	11700216096	AMIT KUMAR	9	11	20	13	8	22	65	1	0	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	13	22	13	9	23	75	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	8	12	21	12	9	21	71	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	6	13	22	14	9	21	74	0	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	13	20	12	9	23	72	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	9	13	22	14	9	23	75	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	8	14	23	13	8	23	75	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	7	13	20	12	9	20	65	0	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	9	11	22	14	8	23	75	1	0	1	1	1	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	9	13	23	14	7	22	71	1	1	1	1	0	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	9	12	22	14	8	22	75	1	1	1	1	1	1	1

1	89	90	98	92	90	96	86
0	9	8	0	6	8	2	12
CO attn	0.91	0.92	1.00	0.94	0.92	0.98	0.88

Avg Attn	0.944
Attn Level	3

Avg Attn	0.88
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	3											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	2.17	2.00	1.83	1.67	1.83	1.75	1.60	2.00	2.67	1.67	1.80	2.00
Overall (Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3
Attainment of PO for this course	2.17	2.00	1.83	1.67	1.83	1.75	1.60	2.00	2.67	1.67	1.80	2.00	**1.92**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.50	2.17	1.00	
Overall (Direct) CO attainment level	3.00	3.00	3.00	
Attainment of PSO for this course	2.50	2.17	1.00	**1.89**

Mapping of CO with PO and PSO of Multimedia (Paper code: IT702)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	-	-	-	-	-	-	-	-	-	-	1
CO2	1	-	-	-	1	-	-	-	-	-	1	1
CO3	1	-	-	-	1	-	-	-	-	-	-	1
CO4	1	-	-	-	-	-	-	-	-	-	-	1
CO5	1	-	-	-	-	-	-	-	-	-	-	1
CO6	1	-	3	-	2	-	-	-	1	-	2	1
AVERAGE	1.00	0	3.00	0	1.33	0	0	0	1.00	0	1.50	1.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	-	1
CO2	1	-	1
CO3	1	-	1
CO4	1	-	1
CO5	1	-	1
CO6	1	-	1
AVERAGE	1.00	0	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam	Course Outcome Attainment with target in %						
				CA1/CA2/CA3/CA4													
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	60%					60%	60%						
1	IT2016/034	11700216006	YASH AGARWAL		0	0	22	0	0	20	85	0	0	1	0	0	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	10	20	10	8	17	85	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		6	6	15	10	9	15	65	1	0	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	5	24	10	9	21	85	1	0	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		0	0	20	10	9	16	75	0	0	1	1	1	1	1

6	IT2016/037	11700216011	TIASHA SARKAR	4	7	18	8	7	13	75	0	0	1	0	1	0	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY	6	8	15	7	8	13	85	1	0	1	0	1	0	1
8	IT2016/081	11700216013	SWETA BOSE	10	7	19	11	9	21	85	1	0	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY	10	6	15	8	10	18	75	1	0	1	0	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE	8	10	18	10	9	23	85	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS	10	10	15	10	11	24	85	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR	7	14	15	12	8	17	85	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR	0	0	21	10	9	20	75	0	0	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI	7	10	19	0	0	23	85	1	1	1	0	0	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	10	10	21	9	10	22	85	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	5	5	0	10	9	19	75	0	0	0	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY	8	10	15	9	8	19	75	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	6	10	0	10	9	21	75	1	1	0	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI	5	5	18	10	8	14	65	0	0	1	1	1	0	1
20	IT2016/031	11700216025	SHUBHA GAYEN	7	10	18	9	7	16	85	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	0	0	16	9	9	19	85	0	0	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	0	0	18	10	9	17	75	0	0	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	10	6	19	10	9	18	75	1	0	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	9	8	15	10	10	19	85	1	0	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	5	6	15	8	8	15	65	0	0	1	0	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	9	4	17	10	8	15	85	1	0	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	0	0	18	9	9	21	85	0	0	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	10	11	20	7	10	21	75	1	1	1	0	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	4	10	16	10	9	18	85	0	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	0	0	21	13	10	19	75	0	0	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	5	5	16	10	5	17	75	0	0	1	1	0	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	10	10	20	13	8	19	85	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	10	11	18	7	10	20	85	1	1	1	0	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	10	10	22	7	9	21	75	1	1	1	0	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	6	10	19	10	7	23	85	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	6	7	20	9	10	18	75	1	0	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	2	3	19	7	7	17	85	0	0	1	0	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	8	6	24	11	10	20	85	1	0	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	5	8	0	7	7	19	85	0	0	0	0	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	9	9	20	6	9	19	85	1	1	1	0	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	10	12	18	11	9	23	85	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	9	15	11	8	18	65	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	6	6	16	9	9	13	65	1	0	1	1	1	0	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	0	0	21	8	9	22	75	0	0	1	0	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	10	5	16	8	5	22	85	1	0	1	0	0	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	0	0	16	0	0	19	65	0	0	1	0	0	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	5	6	18	9	9	17	85	0	0	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	10	10	18	8	10	24	85	1	1	1	0	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	10	11	16	8	10	23	85	1	1	1	0	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	9	12	21	6	9	20	75	1	1	1	0	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	0	0	21	7	7	21	85	0	0	1	0	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	5	10	19	7	10	22	75	0	1	1	0	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	0	0	18	6	9	20	75	0	0	1	0	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	5	5	17	10	4	20	75	0	0	1	1	0	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	0	0	19	10	6	19	75	0	0	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	5	10	18	12	10	18	75	0	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	6	5	21	9	10	18	75	1	0	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	5	18	8	8	18	85	1	0	1	0	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	9	2	17	10	10	21	85	1	0	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	0	0	12	0	0	19	85	0	0	0	0	0	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	7	0	9	9	22	75	1	0	0	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	0	0	18	10	10	18	75	0	0	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	0	0	16	10	8	21	85	0	0	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	7	10	22	13	10	23	85	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	14	18	10	10	23	85	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	0	0	17	8	9	13	75	0	0	1	0	1	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	0	0	18	11	8	23	75	0	0	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	0	0	17	9	8	16	75	0	0	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	0	0	18	10	8	22	85	0	0	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	10	21	9	8	21	85	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	0	0	20	10	9	17	75	0	0	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	0	0	0	9	9	19	65	0	0	0	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	7	7	18	6	9	13	45	1	0	1	0	1	0	0
74	IT2016/016	11700216081	AVIJIT DAS	7	7	22	7	10	16	65	1	0	1	0	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	6	6	17	10	6	19	55	1	0	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	6	5	0	10	10	18	85	1	0	0	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	12	21	13	8	25	85	1	1	1	1	1	1	1

78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	5	20	10	7	13	75	1	0	1	1	1	0	1
79	IT2016/017	11700216086	ARNAB DAS	6	10	18	10	10	19	65	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	5	8	22	9	9	20	65	0	0	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	7	0	0	0	15	55	1	0	0	0	0	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	0	0	16	8	8	14	45	0	0	1	0	1	0	0
83	IT2016/091	11700216091	ANWESHA SAHA	10	12	25	10	8	13	65	1	1	1	1	1	0	1
84	IT2016/012	11700216092	ANUMITA SAHA	5	5	16	10	5	18	65	0	0	1	1	0	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	6	7	16	10	10	23	75	1	0	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	5	6	21	4	9	21	65	0	0	1	0	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	7	10	19	10	10	23	85	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	8	10	17	10	9	22	75	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	0	0	22	10	6	13	85	0	0	1	1	1	0	1
90	IT2016/044	11700216098	AMAN JAISWAL	5	5	0	11	8	22	75	0	0	0	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	1	5	17	10	9	18	65	0	0	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	0	0	20	13	10	17	75	0	0	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	10	11	12	10	4	20	65	1	1	0	1	0	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	10	11	12	8	5	22	65	1	1	0	0	0	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	10	11	13	7	7	20	55	1	1	0	0	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	10	10	13	9	4	21	55	1	1	0	1	0	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	10	12	12	6	5	23	55	1	1	0	0	0	1	0
98	IT2017/L04	11700217006	ANWESHA DEY	10	12	12	8	5	22	75	1	1	0	0	0	1	1

1	57	37	83	65	84	88	91
0	41	61	15	33	14	10	7
CO attn	0.58	0.38	0.85	0.66	0.86	0.90	0.93

Avg Attn	0.7
Attn Level	2

Avg Attn	0.93
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	2.5											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	1.00	0	3.00	0	1.33	0	0	0	1.00	0	1.50	1.00
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Attainment of PO for this course	0.83	0.00	2.50	0.00	1.11	0.00	0.00	0.00	0.83	0.00	1.25	0.83	**0.61**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	1.00	0	1.00	
Overall (Direct) CO attainment level	2.50	2.50	2.50	
Attainment of PSO for this course	0.83	0.00	0.83	**0.56**

Mapping of CO with PO and PSO of E-Commerce (Paper code:IT703A)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	-	2	1	-	1	1	2	2	2
CO2	3	3	3	3	3	1	1	1	1	3	2	2
CO3	3	2	2	-	2	1	-	1	1	2	2	2
CO4	3	2	2	3	2	1	1	1	1	2	2	2
CO5	3	3	3	3	3	1	1	1	1	3	2	2
CO6	3	3	3	3	3	1	1	1	1	2	2	2
AVERAGE	3.00	2.50	2.50	3.00	2.50	1.00	1.00	1.00	1.00	2.33	2.00	2.00

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	2	2	2
CO2	2	2	2
CO3	-	2	2
CO4	2	2	2
CO5	3	2	2
CO6	3	2	2
AVERAGE	2.40	2.00	2.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's														
				CA1/CA2/CA3/CA4						Univ. Exam								
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %							
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	60%						60%	60%						
1	IT2016/034	11700216006	YASH AGARWAL		0	0	22	0	0	20	75	0	0	1	0	0	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	10	20	10	8	17	65	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		6	6	15	10	9	15	75	1	0	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	5	24	10	9	21	85	1	0	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		0	0	20	10	9	16	85	0	0	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		4	7	18	8	7	13	75	0	0	1	0	1	0	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		6	8	15	7	8	13	85	1	0	1	0	1	0	1
8	IT2016/081	11700216013	SWETA BOSE		10	7	19	11	9	21	75	1	0	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		10	6	15	8	10	18	75	1	0	1	0	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		8	10	18	10	9	23	75	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	10	15	10	11	24	95	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		7	14	15	12	8	17	75	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		0	0	21	10	9	20	75	0	0	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		7	10	19	0	0	23	85	1	1	1	0	0	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	10	21	9	10	22	75	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		5	5	0	10	9	19	75	0	0	0	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		8	10	15	9	8	19	85	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		6	10	0	10	9	21	75	1	1	0	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		5	5	18	10	8	14	75	0	0	1	1	1	0	1
20	IT2016/031	11700216025	SHUBHA GAYEN		7	10	18	9	7	16	75	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		0	0	16	9	9	19	75	0	0	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		0	0	18	10	9	17	95	0	0	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		10	6	19	10	9	18	85	1	0	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		9	8	15	10	10	19	75	1	0	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		5	6	15	8	8	15	75	0	0	1	0	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		9	4	17	10	8	15	75	1	0	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		0	0	18	9	9	21	95	0	0	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		10	11	20	7	10	21	65	1	1	1	0	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		4	10	16	10	9	18	75	0	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		0	0	21	13	10	19	75	0	0	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		5	5	16	10	5	17	85	0	0	1	1	0	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		10	10	20	13	8	19	85	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		10	11	18	7	10	20	85	1	1	1	0	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		10	10	22	7	9	21	75	1	1	1	0	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		6	10	19	10	7	23	85	1	1	1	1	1	1	1

36	IT2016/069	11700216041	RAJARSHI DAS	6	7	20	9	10	18	85	1	0	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	2	3	19	7	7	17	85	0	0	1	0	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	8	6	24	11	10	20	85	1	0	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	5	8	0	7	7	19	85	0	0	0	0	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	9	9	20	6	9	19	85	1	1	1	0	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	10	12	18	11	9	23	75	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	9	15	11	8	18	75	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	6	6	16	9	9	13	75	1	0	1	1	1	0	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	0	0	21	8	9	22	85	0	0	1	0	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	10	5	16	8	5	22	75	1	0	1	0	0	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	0	0	16	0	0	19	65	0	0	1	0	0	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	5	6	18	9	9	17	75	0	0	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	10	10	18	8	10	24	75	1	1	1	0	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	10	11	16	8	10	23	75	1	1	1	0	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	9	12	21	6	9	20	65	1	1	1	0	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	0	0	21	7	7	21	75	0	0	1	0	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	5	10	19	7	10	22	75	0	1	1	0	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	0	0	18	6	9	20	75	0	0	1	0	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	5	5	17	10	4	20	85	0	0	1	1	0	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	0	0	19	10	6	19	75	0	0	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	5	10	18	12	10	18	75	0	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	6	5	21	9	10	18	75	1	0	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	5	18	8	8	18	85	1	0	1	0	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	9	2	17	10	10	21	75	1	0	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	0	0	12	0	0	19	75	0	0	0	0	0	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	7	0	9	9	22	85	1	0	0	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	0	0	18	10	10	18	85	0	0	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	0	0	16	10	8	21	85	0	0	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	7	10	22	13	10	23	85	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	14	18	10	10	23	85	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	0	0	17	8	9	13	95	0	0	1	0	1	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	0	0	18	11	8	23	85	0	0	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	0	0	17	9	8	16	85	0	0	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	0	0	18	10	8	22	75	0	0	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	10	21	9	8	21	75	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	0	0	20	10	9	17	85	0	0	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	0	0	0	9	9	19	75	0	0	0	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	7	7	18	6	9	13	75	1	0	1	0	1	0	1
74	IT2016/016	11700216081	AVIJIT DAS	7	7	22	7	10	16	75	1	0	1	0	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	6	6	17	10	6	19	65	1	0	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	6	5	0	10	10	18	85	1	0	0	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	12	21	13	8	25	85	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	5	20	10	7	13	85	1	0	1	1	1	0	1
79	IT2016/017	11700216086	ARNAB DAS	6	10	18	10	10	19	85	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	5	8	22	9	9	20	75	0	0	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	7	0	0	0	15	75	1	0	0	0	0	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	0	0	16	8	8	14	75	0	0	1	0	1	0	1
83	IT2016/091	11700216091	ANWESHA SAHA	10	12	25	10	8	13	75	1	1	1	1	1	0	1
84	IT2016/012	11700216092	ANUMITA SAHA	5	5	16	10	5	18	75	0	0	1	1	0	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	6	7	16	10	10	23	85	1	0	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	5	6	21	4	9	21	75	0	0	1	0	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	7	10	19	10	10	23	85	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	8	10	17	10	9	22	75	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	0	0	22	10	6	13	85	0	0	1	1	1	0	1
90	IT2016/044	11700216098	AMAN JAISWAL	5	5	0	11	8	22	75	0	0	0	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	1	5	17	10	9	18	85	0	0	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	0	0	20	13	10	17	85	0	0	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	10	11	12	10	4	20	75	1	1	0	1	0	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	10	11	12	8	5	22	75	1	1	0	0	0	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	10	11	13	7	7	20	75	1	1	0	0	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	10	10	13	9	4	21	65	1	1	0	1	0	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	10	12	12	6	5	23	75	1	1	0	0	0	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	10	12	12	8	5	22	75	1	1	0	0	0	1	1

1	57	37	83	65	84	88	98
0	41	61	15	33	14	10	0
CO attn	0.58	0.38	0.85	0.66	0.86	0.90	**1.00**

Avg Attn	**0.704**
Attn Level	**2**

Avg Attn	**1.00**
Attn Level	**3**

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	2.5											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	3.00	2.50	2.50	3.00	2.50	1.00	1.00	1.00	1.00	2.33	2.00	2.00
Overall (Direct) CO attainment level	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Attainment of PO for this course	2.50	2.08	2.08	2.50	2.08	0.83	0.83	0.83	0.83	1.94	1.67	1.67	**1.66**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.40	2.00	2.00	
Overall (Direct) CO attainment level	2.50	2.50	2.50	
Attainment of PSO for this course	2.00	1.67	1.67	**1.78**

Mapping of CO with PO and PSO of Cloud Computing (Paper code: IT704B)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1	1	1	2	-	-	1	1	-	1
CO2	3	2	2	1	2	1	-	2	2	1	1	1
CO3	3	2	2	2	2	2	1	1	2	1	1	2
CO4	3	2	1	2	2	2	1	1	2	1	1	2
CO5	3	2	2	-	1	1	2	1	1	2	1	2
CO6	3	2	2	3	2	2	2	1	1	1	2	2
AVERAGE	3.00	2.00	1.67	1.80	1.67	1.67	1.50	1.20	1.50	1.17	1.20	1.67
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	2	1
CO2	1	1	1
CO3	-	1	2
CO4	-	1	2
CO5	1	2	1
CO6	2	-	3
AVERAGE	1.25	1.40	1.67

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam							
				CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						60%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		8	13	20	10	8	22	75	1	1	1	0	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	10	21	13	7	19	65	0	0	1	1	0	0	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		9	12	23	14	9	22	55	1	1	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		9	11	22	12	9	21	65	1	0	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		8	13	21	13	9	22	65	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		7	13	21	13	7	21	65	0	1	1	1	0	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		9	14	23	15	8	24	85	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		9	14	24	14	9	23	75	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		9	13	21	12	10	22	75	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		8	13	23	14	9	24	65	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		9	14	23	13	10	23	65	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		6	14	20	12	8	20	85	0	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		7	13	21	12	8	20	75	0	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		9	13	24	14	9	23	85	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		9	14	22	13	9	24	85	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	13	23	15	9	23	65	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		7	14	20	14	8	21	65	0	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		9	13	24	15	9	24	65	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		9	13	22	14	8	23	65	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		9	12	20	13	7	21	55	1	1	1	1	0	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	15	23	15	9	24	75	1	1	1	1	1	1	1

21	IT2016/065	11700216026	SHREYASH CHAMARIA	9	15	23	15	9	24	75	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	9	14	24	14	9	24	55	1	1	1	1	1	1	0
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	9	14	22	14	9	24	65	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	9	14	22	14	8	23	75	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	9	13	23	13	8	23	65	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	9	12	21	13	8	22	65	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	8	13	22	14	9	23	75	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	9	12	21	12	9	22	65	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	9	12	22	14	8	22	75	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	9	14	23	13	9	24	65	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	9	13	23	13	9	23	65	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	8	14	23	13	9	22	75	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	9	13	23	14	10	23	65	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	8	15	24	15	9	25	75	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	9	13	22	12	9	3	75	1	1	1	1	1	0	1
36	IT2016/069	11700216041	RAJARSHI DAS	9	14	25	15	10	25	65	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	9	14	24	14	9	23	75	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	8	12	20	11	10	21	75	1	1	1	0	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	8	10	21	13	7	21	85	1	0	1	1	0	1	1
40	IT2016/077	11700216045	PUSPITA DAS	9	14	23	14	9	23	75	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	9	13	24	14	9	24	75	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	8	13	21	14	8	22	65	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	13	22	13	9	22	65	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	8	14	21	13	9	23	75	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	9	13	24	15	10	24	75	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	9	12	24	15	9	25	55	1	1	1	1	1	1	0
47	IT2016/010	11700216052	PIYUSH KUMAR	8	13	23	14	9	23	75	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	9	14	23	14	10	23	75	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	12	23	13	10	23	65	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	9	13	21	13	9	22	65	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	8	12	20	13	7	20	65	1	1	1	1	0	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	9	14	23	13	10	23	65	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	9	11	20	11	9	20	55	1	0	1	0	1	1	0
54	IT2016/045	11700216060	KUMARI RIYA	10	14	24	14	9	24	65	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	23	13	10	23	65	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	12	20	14	6	20	65	1	1	1	1	0	1	1
57	IT2016/073	11700216063	KAVERI SAHA	8	14	22	12	10	22	75	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	12	20	12	8	21	85	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	9	12	21	12	9	22	65	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	13	8	23	65	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	13	23	13	9	23	85	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	14	23	13	8	24	85	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	13	23	13	8	22	85	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	13	21	11	9	22	85	1	1	1	0	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	7	12	20	11	9	20	75	0	1	1	0	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	8	14	22	13	9	23	75	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	9	12	20	13	8	21	85	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	9	13	22	14	8	22	85	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	8	12	21	13	8	21	75	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	9	12	22	12	8	21	85	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	11	20	12	9	20	75	1	0	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	12	22	13	9	23	65	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	9	11	20	12	9	21	65	1	0	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	8	13	22	13	10	22	75	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	14	23	13	10	23	75	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	9	14	22	13	10	23	85	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	12	20	13	6	20	85	1	1	1	1	0	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	14	23	14	9	23	85	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	9	13	24	14	10	24	55	1	1	1	1	1	1	0
80	IT2016/054	11700216087	ARIHANT RAJ	8	13	23	13	9	23	65	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	12	20	12	8	20	55	1	1	1	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	13	20	12	8	20	55	1	1	1	1	1	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	9	13	22	13	8	22	65	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	8	12	20	11	9	20	65	1	1	1	0	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	8	13	20	12	9	21	75	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	9	12	22	12	9	23	75	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	7	13	20	13	8	21	85	0	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	9	11	20	13	8	22	65	1	0	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	13	22	13	9	23	55	1	1	1	1	1	1	0
90	IT2016/044	11700216098	AMAN JAISWAL	8	12	21	12	9	21	65	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	6	13	22	14	9	21	65	0	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	13	20	12	9	23	75	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	9	13	22	14	9	23	55	1	1	1	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	8	14	23	13	8	23	75	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	7	13	20	12	9	20	65	0	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	9	11	22	14	8	23	55	1	0	1	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	9	13	23	14	7	22	65	1	1	1	1	0	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	9	12	22	14	8	22	75	1	1	1	1	1	1	1

1	89	90	98	92	90	96	87
0	9	8	0	6	8	2	11
CO attn	0.91	0.92	1.00	0.94	0.92	0.98	0.89

Avg Attn	0.944
Attn Level	3

Avg Attn	0.89
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	3											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	3.00	2.00	1.67	1.80	1.67	1.67	1.50	1.20	1.50	1.17	1.20	1.67
Overall (Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3
Attainment of PO for this course	3.00	2.00	1.67	1.80	1.67	1.67	1.50	1.20	1.50	1.17	1.20	1.67

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	1.25	1.40	1.67	
Overall(Direct) CO attainment level	3.00	3.00	3.00	
Attainment of PSO for this course	1.25	1.40	1.67	1.44

Mapping of CO with PO and PSO of Microelectronics & VLSI Design (Paper code: IT705D)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	2	2	1	1	-	1	-	2	3
CO2	3	2	1	2	2	-		-	1	-	2	3
CO3	3	3	1	3	2	-	1	-	1	-	2	3
CO4	3	3	1	3	2	-	1	-	1	-	2	3
CO5	3	3	1	3	2	-		-	1	-	2	3
CO6	3	3	1	2	3	-	1	-	1	-	2	3
AVERAGE	3.00	2.83	1.17	2.50	2.17	1.00	1.00	0	1.00	0	2.00	3.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	-	1	2
CO2	-	1	1
CO3	-	1	2
CO4	-	1	2
CO5	-	1	2
CO6	1	1	2
AVERAGE	1.00	1.00	2.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's CA1/CA2/CA3/CA4						Univ. Exam	Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	15	10	15	10	25	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	70%						50%	70%						
1	IT2016/034	11700216006	YASH AGARWAL		13	8	11	9	19	22	75	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		11	7	13	7	20	23	65	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		11	8	6	4	18	21	45	1	1	0	0	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		12	9	14	10	22	25	85	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		13	7	14	7	18	22	65	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		13	7	13	7	20	24	65	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		14	9	14	7	18	24	85	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		11	7	12	8	20	23	65	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		14	8	11	9	18	21	65	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		12	8	13	7	20	22	75	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		12	9	14	7	20	24	75	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		12	8	13	10	20	20	75	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		12	9	13	10	21	24	75	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		13	8	13	7	20	24	75	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		13	8	11	10	22	24	85	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		13	6	12	8	23	22	65	1	0	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		11	10	11	9	18	22	55	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		14	9	12	10	20	23	75	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		14	7	13	7	20	22	65	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		13	7	11	9	22	24	75	1	1	1	1	1	1	1

21	IT2016/065	11700216026	SHREYASH CHAMARIA	12	9	14	8	20	21	75	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	14	8	11	7	18	20	75	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	11	6	12	9	24	20	65	1	0	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	11	8	11	7	19	24	85	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	14	9	13	9	22	23	75	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	12	8	12	9	22	20	75	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	13	7	11	8	23	24	65	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	14	7	14	7	22	23	65	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	12	8	14	7	17	22	55	1	1	1	1	0	1	1
30	IT2016/002	11700216035	RONAK BARMAN	10	7	10	6	19	19	45	0	1	0	0	1	1	0
31	IT2016/036	11700216036	ROHIT SINGH	14	5	13	7	22	23	65	1	0	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	14	9	14	10	19	24	85	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	12	8	12	7	23	22	75	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	11	6	13	8	20	23	65	1	0	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	12	8	12	8	17	19	55	1	1	1	1	0	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	12	7	14	7	19	21	65	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	12	7	13	8	20	22	75	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	14	7	14	10	18	22	75	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	14	8	12	10	23	25	85	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	14	9	14	9	19	24	85	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	13	8	13	7	24	22	75	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	11	7	13	9	18	24	65	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	11	7	12	9	23	21	65	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	11	8	14	7	19	21	75	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	11	10	13	10	24	24	75	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	12	8	14	10	23	21	75	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	14	7	12	8	24	22	65	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	12	7	11	9	24	21	65	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	11	8	11	7	23	23	75	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	8	7	6	3	18	19	45	0	1	0	0	1	1	0
51	IT2016/062	11700216056	MD MUZAMMIL	11	9	14	9	20	23	75	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	11	7	11	8	21	20	65	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	13	7	13	8	23	24	65	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	13	8	13	10	23	24	75	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	14	9	14	10	24	23	75	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	12	5	14	7	20	23	65	1	0	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	11	8	11	5	18	17	45	1	1	1	0	1	0	0
58	IT2016/019	11700216064	INDRANI MAITY	11	7	12	8	24	25	85	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	14	8	11	8	23	21	75	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	13	7	11	7	21	22	65	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	11	8	7	6	17	21	45	1	1	0	0	0	1	0
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	12	7	14	9	16	18	55	1	1	1	1	0	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	13	9	12	9	19	24	75	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	12	9	13	7	19	22	75	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	14	10	12	7	20	23	75	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	13	8	11	9	18	23	65	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	14	10	12	10	22	25	85	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	11	7	13	8	21	22	65	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	12	8	14	8	17	19	55	1	1	1	1	0	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	14	9	14	10	19	25	85	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	11	6	13	7	21	20	75	1	0	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	11	8	13	8	24	23	75	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	11	7	8	7	15	16	45	1	1	0	1	0	0	0
74	IT2016/016	11700216081	AVIJIT DAS	10	7	11	8	18	21	55	0	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	11	8	7	7	16	19	45	1	1	0	1	0	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	13	9	13	8	20	21	75	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	11	9	12	7	24	24	85	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	13	8	14	9	20	23	75	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	9	7	13	7	18	21	55	0	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	13	7	12	7	23	24	75	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	7	9	11	8	20	20	55	0	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	11	7	6	7	19	16	45	1	1	0	1	1	0	0
83	IT2016/091	11700216091	ANWESHA SAHA	14	9	14	8	15	19	55	1	1	1	1	0	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	13	7	14	8	21	22	65	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	13	7	13	9	18	22	65	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	11	8	12	7	18	19	55	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	13	7	13	8	22	21	75	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	13	9	13	10	14	18	55	1	1	1	1	0	1	1
89	IT2016/051	11700216097	AMAN KUMAR	13	9	12	9	18	21	75	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	13	7	14	8	23	20	65	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	13	8	13	7	21	22	65	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	13	7	11	9	21	22	75	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	13	8	11	8	22	23	65	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	13	7	14	7	21	23	65	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	13	9	14	8	18	19	55	1	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	9	8	10	7	19	19	45	0	1	0	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	13	7	12	8	19	21	65	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	11	10	12	10	18	24	75	1	1	1	1	1	1	1

1	92	92	90	93	89	95	89
0	6	6	8	5	9	3	9
CO attn	0.94	0.94	0.92	0.95	0.91	0.97	0.91

Avg Attn	0.937
Attn Level	3

Avg Attn	0.91
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	3											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	3.00	2.83	1.17	2.50	2.17	1.00	1.00	0	1.00	0	2.00	3.00
Overall (Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3
Attainment of PO for this course	3.00	2.83	1.17	2.50	2.17	1.00	1.00	0.00	1.00	0.00	2.00	3.00	**1.64**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	1.00	1.00	2.00	
Overall (Direct) CO attainment level	3.00	3.00	3.00	
Attainment of PSO for this course	1.00	1.00	2.00	**1.33**

Mapping of CO with PO and PSO of Internet Technology(Paper Code: IT791)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	3	-	-	1	1	1	1	-	1	-
CO2	2	3	2	-	2	1	1	1	1	2	1	-
CO3	2	2	3	-	3	-	-	-	2	1	2	-
CO4	2	2	3	1	2	2	2	2	1	-	1	1
CO5	2	1	3	2	-	3	3	3	-	1	-	2
CO6	2	1	3	2	-	-	-	-	-	-	-	2
AVERAGE	2.00	1.83	2.83	1.67	2.33	1.75	1.75	1.75	1.25	1.33	1.25	1.67
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	1
CO2	2	1	1
CO3	3	2	1
CO4	3	1	1
CO5	2	3	1
CO6	3	3	1
AVERAGE	2.67	2.17	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's													
					PCA1			PCA2			Univ. Exam	Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		12	13	8	12	13	8	45	1	1	1	1	1	1	0
2	IT2016/071	11700216007	VIVEK KUMAR		12	13	9	12	12	8	45	1	1	1	1	1	1	0
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		14	15	9	15	14	9	48	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		14	15	9	14	15	9	57	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		15	14	9	14	14	8	50	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		13	13	8	12	13	8	50	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		14	15	9	14	15	9	55	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		13	12	8	13	12	8	55	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		12	12	8	12	12	8	52	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		12	13	9	12	13	8	44	1	1	1	1	1	1	0
11	IT2016/013	11700216016	SUSTHIT BISWAS		14	13	9	15	14	9	50	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		12	13	8	12	13	8	49	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		14	14	10	14	15	9	48	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		14	15	10	15	14	9	50	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		15	15	9	14	15	9	49	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		14	14	9	15	14	8	56	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		12	13	8	12	12	8	47	1	1	1	1	1	1	0
18	IT2016/058	11700216023	SK MD FARUK		14	15	9	14	15	9	49	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		14	15	8	15	14	8	51	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		13	12	8	12	13	8	46	1	1	1	1	1	1	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA		14	15	9	15	14	9	52	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		15	14	9	14	15	9	54	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		14	15	10	15	14	9	57	1	1	1	1	1	1	1

24	IT2016/021	11700216029	SHASHANK ROY	15	14	10	14	15	9	55	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	15	15	9	15	14	10	56	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	12	12	8	13	12	8	49	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	12	13	8	12	13	8	44	1	1	1	1	1	1	0
28	IT2016/029	11700216033	SANANDA PODDER	13	12	8	12	12	8	49	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	14	15	9	15	14	9	55	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	14	13	8	14	15	9	49	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	15	14	9	14	14	9	53	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	15	14	9	15	14	9	52	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	15	15	10	15	15	10	58	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	15	14	8	14	15	10	52	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	13	12	9	12	12	8	50	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	13	15	8	15	14	9	51	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	14	15	9	14	15	9	56	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	12	12	9	12	12	8	46	1	1	1	1	1	1	0
39	IT2016/011	11700216044	RAHUL BARMAN	12	12	8	13	12	8	47	1	1	1	1	1	1	0
40	IT2016/077	11700216045	PUSPITA DAS	15	15	9	15	14	9	55	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	15	14	10	15	14	10	52	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	15	15	9	14	14	9	55	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	15	14	9	15	14	9	53	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	12	11	8	12	12	8	48	1	0	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	14	15	9	14	14	9	55	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	12	14	9	13	12	9	46	1	1	1	1	1	1	0
47	IT2016/010	11700216052	PIYUSH KUMAR	12	13	8	11	12	8	47	1	1	1	0	1	1	0
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	12	13	8	12	12	9	47	1	1	1	1	1	1	0
49	IT2016/085	11700216054	PAROMITA PODDAR	14	15	9	14	14	10	57	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	12	13	8	12	12	8	47	1	1	1	1	1	1	0
51	IT2016/062	11700216056	MD MUZAMMIL	12	11	8	12	13	9	49	1	0	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	12	12	8	13	12	8	46	1	1	1	1	1	1	0
53	IT2016/008	11700216059	KUNAL THAKUR	13	13	8	13	12	8	45	1	1	1	1	1	1	0
54	IT2016/045	11700216060	KUMARI RIYA	14	15	10	15	14	10	49	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	14	15	9	14	14	9	56	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	13	12	8	11	12	9	41	1	1	1	0	1	1	0
57	IT2016/073	11700216063	KAVERI SAHA	15	14	9	15	14	10	51	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	12	12	8	12	13	8	52	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	13	12	8	13	11	8	35	1	1	1	1	0	1	0
60	IT2016/079	11700216066	HIMANSHU SHARAN	14	15	9	14	15	9	52	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	15	14	9	15	15	9	57	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	14	15	9	15	14	9	51	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	14	15	10	14	15	9	55	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	12	12	8	12	12	8	55	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	12	12	8	12	10	8	48	1	1	1	1	0	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	11	12	8	12	11	8	46	0	1	1	1	0	1	0
67	IT2016/060	11700216073	DAMINI KUMARI	12	12	8	12	13	9	47	1	1	1	1	1	1	0
68	IT2016/015	11700216075	BITTU KUMAR	12	13	9	12	13	8	45	1	1	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	15	14	9	15	14	9	50	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	12	13	8	13	13	8	49	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	14	15	9	14	15	8	51	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	14	15	9	14	15	10	56	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	14	15	9	14	14	9	55	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	15	15	9	14	15	9	55	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	14	15	9	14	14	10	49	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	14	15	9	14	14	9	55	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	13	12	8	13	12	8	50	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	15	14	10	15	13	9	50	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	14	15	10	13	14	9	51	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	15	14	9	14	15	9	56	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	12	13	8	13	12	9	41	1	1	1	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	14	15	10	15	14	9	52	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	12	12	9	13	12	9	52	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	12	13	8	13	13	8	49	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	12	13	8	12	13	8	49	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	14	15	9	14	15	9	53	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	12	13	9	13	12	8	47	1	1	1	1	1	1	0
88	IT2016/074	11700216096	AMIT KUMAR	12	13	8	12	12	9	49	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	12	12	8	13	13	8	45	1	1	1	1	1	1	0
90	IT2016/044	11700216098	AMAN JAISWAL	12	12	9	14	13	8	49	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	15	13	9	15	13	9	48	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	14	15	8	13	12	8	46	1	1	1	1	1	1	0
93	IT2017/L01	11700217001	SUTANUKA DAS	12	12	8	12	13	9	47	1	1	1	1	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	13	12	9	13	13	8	45	1	1	1	1	1	1	0
95	IT2017/L03	11700217003	RUMELI BANERJEE	12	13	8	13	12	9	49	1	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	13	12	9	13	13	8	46	1	1	1	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	12	12	8	12	13	9	45	1	1	1	1	1	1	0
98	IT2017/L04	11700217006	ANWESHA DEY	12	12	8	12	13	8	50	1	1	1	1	1	1	1

1	97	96	98	96	95	98	71
0	1	2	0	2	3	0	27
CO attn	0.99	0.98	1.00	0.98	0.97	1.00	0.72

Avg Attn	0.99
Attn Level	3

Avg Attn	0.72
Attn Level	2

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	2.4											
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	2.00	1.83	2.83	1.67	2.33	1.75	1.75	1.75	1.25	1.33	1.25	1.67
Overall(Direct) CO attainment level	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Attainment of PO for this course	1.60	1.47	2.27	1.33	1.87	1.40	1.40	1.40	1.00	1.07	1.00	1.33	**1.43**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.67	2.17	1	
Overall(Direct) CO attainment level	2.4	2.4	2.4	
Attainment of PSO for this course	2.13	1.73	0.80	**1.56**

Mapping of CO with PO and PSO of the Course Multimedia IT792

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	-	2	-	1	-	-	-	-	-	-	1
CO2	1	-	2	-	1	-	-	-	-	-	-	1
CO3	1	-	2	-	1	-	-	-	-	-	-	1
CO4	1	-	2	-	1	-	-	-	-	-	-	1
CO5	1	-	2	-	1	-	-	-	-	-	-	1
CO6	1	-	2	-	2	-	-	-	-	-	2	1
AVERAGE	1.00	0	2.00	0	1.17	0	0	0	0	0	2.00	1.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	-	1
CO2	1	-	1
CO3	1	-	1
CO4	1	-	1
CO5	1	-	1
CO6	1	2	1
AVERAGE	1.00	2.00	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL PCA's													
					PCA1			PCA2			Univ. Exam	Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		15	15	4	12	13	8	56	1	1	0	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		12	13	8	12	12	8	52	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		12	12	8	15	14	9	50	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		15	15	7	14	15	9	55	1	1	0	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		15	14	7	14	14	8	56	1	1	0	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		13	13	10	12	13	8	50	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		13	14	6	14	15	9	49	1	1	0	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		15	15	7	13	12	8	54	1	1	0	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		12	12	10	12	12	7	56	1	1	1	1	1	0	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		15	15	6	12	13	8	54	1	1	0	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		15	14	5	15	14	9	48	1	1	0	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		13	13	10	12	13	8	56	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		15	15	5	14	15	9	55	1	1	0	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		15	15	5	15	14	9	56	1	1	0	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		15	15	7	14	15	9	56	1	1	0	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		15	14	4	15	14	8	50	1	1	0	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		12	13	9	12	12	8	50	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		14	10	4	14	15	9	46	1	0	0	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI		10	15	6	15	14	8	50	0	1	0	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		13	12	10	12	13	8	52	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		14	12	7	15	14	9	57	1	1	0	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		15	10	9	14	15	9	49	1	0	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		14	10	7	15	14	9	49	1	0	0	1	1	1	1

24	IT2016/021	11700216029	SHASHANK ROY	15	14	6	14	15	9	56	1	1	0	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	10	10	10	15	14	10	50	0	0	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	12	15	10	13	12	8	55	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	12	13	7	12	13	8	57	1	1	0	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	13	13	10	12	12	7	55	1	1	1	1	1	0	1
29	IT2016/030	11700216034	SAMRAT HALDER	14	15	5	15	14	9	56	1	1	0	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	10	12	10	14	15	9	50	0	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	12	14	7	14	14	9	51	1	1	0	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	15	14	8	15	14	9	55	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	15	15	4	15	15	10	56	1	1	0	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	15	14	8	14	15	10	56	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	13	15	6	12	12	8	51	1	1	0	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	13	15	7	15	14	9	55	1	1	0	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	15	15	5	14	15	9	56	1	1	0	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	12	14	9	12	12	8	56	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	12	15	8	11	12	6	55	1	1	1	0	1	0	1
40	IT2016/077	11700216045	PUSPITA DAS	15	15	6	15	14	9	56	1	1	0	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	15	14	5	15	14	10	52	1	1	0	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	15	15	6	14	14	9	51	1	1	0	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	15	10	7	15	14	9	50	1	0	0	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	15	15	5	12	12	8	56	1	1	0	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	14	15	5	14	14	9	56	1	1	0	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	10	12	10	13	12	9	50	0	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	12	15	6	11	12	8	48	1	1	0	0	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	12	14	10	12	12	9	54	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	14	15	5	14	14	10	52	1	1	0	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	10	9	12	12	8	51	0	0	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	12	12	10	12	13	9	56	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	12	15	5	13	12	8	50	1	1	0	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	13	13	9	13	12	8	51	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	14	15	7	15	14	10	56	1	1	0	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	14	15	6	14	14	9	56	1	1	0	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	13	12	8	11	12	9	50	1	1	1	0	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	15	14	5	15	14	10	51	1	1	0	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	12	15	9	12	13	8	56	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	15	12	9	13	11	7	55	1	1	1	1	0	0	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	10	15	5	14	15	9	50	0	1	0	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	12	14	7	15	15	9	50	1	1	0	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	14	10	10	15	14	9	48	1	0	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	14	15	6	14	15	9	56	1	1	0	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	12	15	10	11	10	7	56	1	1	1	0	0	0	1
65	IT2016/089	11700216071	DIPANJAN RAY	15	15	6	12	10	6	55	1	1	0	1	0	0	1
66	IT2016/043	11700216072	DEVESH DUGAR	11	12	10	12	11	7	49	0	1	1	1	0	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	15	15	5	12	13	9	52	1	1	0	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	12	13	8	12	13	8	50	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	15	14	5	15	14	9	56	1	1	0	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	15	15	7	13	13	8	56	1	1	0	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	12	12	7	14	15	8	55	1	1	0	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	12	12	6	14	15	10	50	1	1	0	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	10	15	9	14	14	9	48	0	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	15	15	4	14	15	9	49	1	1	0	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	14	10	7	14	14	10	49	1	0	0	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	14	15	6	14	14	9	55	1	1	0	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	15	15	7	13	12	7	56	1	1	0	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	15	14	7	15	14	9	56	1	1	0	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	14	15	4	13	14	9	48	1	1	0	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	15	14	8	14	15	9	56	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	12	13	5	13	12	9	47	1	1	0	1	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	10	15	5	15	14	9	50	0	1	0	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	12	12	8	13	12	9	50	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	12	13	10	13	13	8	48	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	12	14	5	12	10	7	50	1	1	0	1	0	0	1
86	IT2016/084	11700216094	ANKITA SAHA	14	15	7	14	15	9	55	1	1	0	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	12	13	7	13	12	8	56	1	1	0	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	12	13	6	12	12	9	49	1	1	0	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	12	12	8	13	13	8	50	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	12	12	9	14	13	8	48	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	12	12	9	15	13	9	50	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	12	12	9	13	12	8	50	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	12	12	8	12	13	9	49	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	13	12	7	13	13	8	49	1	1	0	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	12	13	8	13	12	9	50	1	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	13	10	5	13	13	8	44	1	0	0	1	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	12	12	10	12	13	9	50	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	12	12	10	12	13	8	52	1	1	1	1	1	1	1

1	89	89	40	94	93	90	95
0	9	9	58	4	5	8	3
CO attn	0.91	0.91	0.41	0.96	0.95	0.92	0.97

Avg Attn	0.84
Attn Level	3

Avg Attn	0.97
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	3											
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	1.00	0	2.00	0	1.17	0	0	0	0	0	2.00	1.00
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3
Attainment of PO for this course	1.00	0.00	2.00	0.00	1.17	0.00	0.00	0.00	0.00	0.00	2.00	1.00

0.60

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	1.00	2.00	1	
Overall(Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	1.00	2.00	1.00	1.33

Mapping of CO with PO and PSO of the Course E Commerce Lab (IT793A)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	-	2	-	-	1	2	2	2	2
CO2	3	3	3	3	2	1	-	1	2	2	2	2
CO3	3	3	3	3	2	1	-	1	2	2	2	2
CO4	3	3	3	3	2	1	-	1	2	2	2	2
CO5	3	3	3	3	3	1	1	1	2	3	2	2
CO6	3	3	3	3	3	1	1	1	2	3	2	2
AVERAGE	3.00	2.83	3.00	3.00	2.33	1.00	1.00	1.00	2.00	2.33	2.00	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	2
CO2	3	3	2
CO3	3	3	2
CO4	3	3	2
CO5	3	3	2
CO6	3	3	2
AVERAGE	3.00	3.00	2.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

Sl No	Class Roll	Univ Roll	Name		ALL PCA's PCA1 CO1	CO2	CO3	PCA2 CO4	CO5	CO6	Univ. Exam	Course Outcome Attainment with target in % CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	15	13	12	15	13	12	60							
				Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		10	10	10	10	10	10	52	0	1	1	0	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		10	10	10	10	10	10	52	0	1	1	0	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		11	10	10	11	10	10	51	0	1	1	0	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		12	10	10	12	10	10	58	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	10	10	10	10	10	50	0	1	1	0	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		12	10	10	12	10	10	50	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		13	10	10	13	10	10	51	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		11	10	10	11	10	10	51	0	1	1	0	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		11	10	10	11	10	10	51	0	1	1	0	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	10	10	10	10	10	53	0	1	1	0	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		11	10	10	11	10	10	51	0	1	1	0	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		12	10	10	12	10	10	50	1	1	1	1	1	1	1

13	IT2016/020	11700216018	SUDHANSHU KUMAR	11	10	10	11	10	10	51	0	1	1	0	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI	11	10	10	11	10	10	54	0	1	1	0	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	11	10	10	11	10	10	55	0	1	1	0	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	11	10	10	11	10	10	52	0	1	1	0	1	1	1
17	IT2016/038	11700216022	SOMA ROY	10	10	10	10	10	10	54	0	1	1	0	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	12	10	10	12	10	10	52	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI	10	10	10	10	10	10	53	0	1	1	0	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN	12	10	10	12	10	10	50	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	12	10	10	12	10	10	51	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	14	10	10	14	10	10	57	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	12	10	10	12	10	10	51	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	13	10	10	13	10	10	51	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	11	10	10	11	10	10	51	0	1	1	0	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	12	10	10	12	10	10	52	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	11	10	10	11	10	10	58	0	1	1	0	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	11	10	10	11	10	10	58	0	1	1	0	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	10	10	10	10	10	10	52	0	1	1	0	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	12	10	10	12	10	10	51	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	12	10	10	12	10	10	51	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	15	10	10	15	10	10	57	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	14	10	10	14	10	10	50	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	12	10	10	12	10	10	51	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	14	10	10	14	10	10	52	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	12	10	10	12	10	10	53	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	12	10	10	12	10	10	58	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	14	10	10	14	10	10	51	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	12	10	10	12	10	10	51	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	11	10	10	11	10	10	51	0	1	1	0	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	13	10	10	13	10	10	51	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	11	10	10	11	10	10	58	0	1	1	0	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	11	10	10	11	10	10	52	0	1	1	0	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	12	10	10	12	10	10	51	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	11	10	10	11	10	10	52	0	1	1	0	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	13	10	10	13	10	10	51	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	14	10	10	14	10	10	51	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	13	10	10	13	10	10	51	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	13	10	10	13	10	10	52	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	12	10	10	12	10	10	52	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	15	10	10	15	10	10	51	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	15	10	10	15	10	10	51	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	14	10	10	14	10	10	51	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	13	10	10	13	10	10	52	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	14	10	10	14	10	10	51	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	14	10	10	14	10	10	52	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	15	10	10	15	10	10	51	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	12	10	10	12	10	10	51	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	12	10	10	12	10	10	53	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	13	10	10	13	10	10	52	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	12	10	10	12	10	10	51	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	12	10	10	12	10	10	51	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	11	10	10	11	10	10	52	0	1	1	0	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	12	10	10	12	10	10	58	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	11	10	10	11	10	10	58	0	1	1	0	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	12	10	10	12	10	10	51	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	13	10	10	13	10	10	53	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	12	10	10	12	10	10	51	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	11	10	10	11	10	10	52	0	1	1	0	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	12	10	10	12	10	10	53	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	10	10	10	10	10	10	51	0	1	1	0	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	14	10	10	14	10	10	51	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	12	10	10	12	10	10	51	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	11	10	10	11	10	10	51	0	1	1	0	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	12	10	10	12	10	10	51	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	13	10	10	13	10	10	52	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	14	10	10	14	10	10	55	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	10	10	10	10	10	10	53	0	1	1	0	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	12	10	10	12	10	10	53	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	12	10	10	12	10	10	58	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	13	10	10	13	10	10	53	1	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	12	10	10	12	10	10	53	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	11	10	10	11	10	10	51	0	1	1	0	1	1	1

84	IT2016/012	11700216092	ANUMITA SAHA	15	10	10	15	10	10	51	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	12	10	10	12	10	10	52	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	12	10	10	12	10	10	58	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	12	10	10	12	10	10	51	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	13	10	10	13	10	10	51	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	14	10	10	14	10	10	51	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	11	10	10	11	10	10	52	0	1	1	0	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	12	10	10	12	10	10	52	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	12	10	10	12	10	10	52	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	13	10	10	13	10	10	53	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	12	10	10	12	10	10	51	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	10	10	10	10	10	10	51	0	1	1	0	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	10	10	10	10	10	10	51	0	1	1	0	1	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	12	10	10	12	10	10	51	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	10	10	10	10	10	10	52	0	1	1	0	1	1	1

1	65	98	98	65	98	98	98
0	33	0	0	33	0	0	0
CO attn	0.66	1.00	1.00	0.66	1.00	1.00	1.00

Avg Attn	0.89
Attn Level	3

Avg Attn	1.00
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	3

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.83	3.00	3.00	2.33	1.00	1.00	1.00	2.00	2.33	2.00	2.00	
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	3.00	2.83	3.00	3.00	2.33	1.00	1.00	1.00	2.00	2.33	2.00	2.00	**2.13**

PSO attainment vale = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	3.00	2	
Overall(Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	3.00	3.00	2.00	**2.67**

Mapping of CO with PO and PSO of Industrial Training (Paper code: IT794)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	2	2	2	1	-	-	-	-	2	2
CO2	3	3	3	2	2	-	-	-	-	-	2	2
CO3	2	-	3	2	3	-	-	-	-	-	2	2
CO4	2	-	-	-	2	3	2	-	-	-	-	2
CO5	-	-	-	-	-	-	-	-	3	-	2	2
CO6	1	2	2	3	2	-	-	-	-	-	2	2
AVERAGE	2.00	2.33	2.50	2.25	2.20	2.00	2.00	0	3.00	0	2.00	2.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO2
CO1	1	1	1
CO2	2	3	1
CO3	2	2	-
CO4	-	1	-
CO5	1	2	-
CO6	1	2	2
AVERAGE	1.40	1.83	1.33

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level																			
					ALL PCA's														
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6	Course Outcome Attainment with target in %								
				Marks Distribution	20	20	20	10	15	15	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Continuous assesment		
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%								
1	IT2016/034	11700216006	YASH AGARWAL		19	18	19	9	14	13	1	1	1	1	1	1	1		
2	IT2016/071	11700216007	VIVEK KUMAR		19	18	19	9	15	14	1	1	1	1	1	1	1		
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		20	19	20	9	15	15	1	1	1	1	1	1	1		
4	IT2016/075	11700216009	UZZWALPREET KAUR		19	18	19	9	14	14	1	1	1	1	1	1	1		
5	IT2016/047	11700216010	TURNISHA SARKAR		19	18	19	9	14	14	1	1	1	1	1	1	1		
6	IT2016/037	11700216011	TIASHA SARKAR		19	18	19	9	14	13	1	1	1	1	1	1	1		
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		20	19	20	9	15	13	1	1	1	1	1	1	1		
8	IT2016/081	11700216013	SWETA BOSE		18	18	18	9	14	13	1	1	1	1	1	1	1		
9	IT2016/028	11700216014	SWARNALI ROY		20	19	20	9	15	15	1	1	1	1	1	1	1		
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		20	19	20	9	15	15	1	1	1	1	1	1	1		
11	IT2016/013	11700216016	SUSTHIT BISWAS		20	19	20	9	15	14	1	1	1	1	1	1	1		
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		20	19	20	9	15	15	1	1	1	1	1	1	1		
13	IT2016/020	11700216018	SUDHANSHU KUMAR		19	18	19	9	14	13	1	1	1	1	1	1	1		
14	IT2016/094	11700216019	SUBHOJEET BHADURI		19	18	19	9	14	12	1	1	1	1	1	1	1		
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		19	18	19	9	14	14	1	1	1	1	1	1	1		
16	IT2016/057	11700216021	SREJITA SAHA		20	19	20	9	15	14	1	1	1	1	1	1	1		
17	IT2016/038	11700216022	SOMA ROY		20	19	20	9	15	13	1	1	1	1	1	1	1		
18	IT2016/058	11700216023	SK MD FARUK		19	18	19	9	15	14	1	1	1	1	1	1	1		
19	IT2016/014	11700216024	SIDDHANT SAHANI		19	18	19	9	14	14	1	1	1	1	1	1	1		
20	IT2016/031	11700216025	SHUBHA GAYEN		20	19	20	9	15	15	1	1	1	1	1	1	1		
21	IT2016/065	11700216026	SHREYASH CHAMARIA		19	18	19	9	14	14	1	1	1	1	1	1	1		
22	IT2016/049	11700216027	SHREYA VATS		20	19	20	9	15	15	1	1	1	1	1	1	1		
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		20	19	20	9	15	15	1	1	1	1	1	1	1		
24	IT2016/021	11700216029	SHASHANK ROY		17	17	17	8	13	13	1	1	1	1	1	1	1		
25	IT2016/053	11700216030	SHAHZEB AKHTAR		17	16	17	8	13	13	1	1	1	1	1	1	1		
26	IT2016/046	11700216031	SAYON MOULIK		20	19	20	9	15	15	1	1	1	1	1	1	1		
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		19	18	19	9	14	13	1	1	1	1	1	1	1		
28	IT2016/029	11700216033	SANANDA PODDER		19	18	19	9	14	14	1	1	1	1	1	1	1		
29	IT2016/030	11700216034	SAMRAT HALDER		18	17	18	8	14	13	1	1	1	1	1	1	1		
30	IT2016/002	11700216035	RONAK BARMAN		19	18	19	9	14	14	1	1	1	1	1	1	1		
31	IT2016/036	11700216036	ROHIT SINGH		19	18	19	9	14	14	1	1	1	1	1	1	1		
32	IT2016/048	11700216037	RITWIKA BANERJEE		20	19	20	9	15	15	1	1	1	1	1	1	1		
33	IT2016/083	11700216038	RITTIKA PAUL		20	19	20	9	15	13	1	1	1	1	1	1	1		
34	IT2016/004	11700216039	RIBHU GHOSH		20	19	20	9	15	15	1	1	1	1	1	1	1		
35	IT2016/067	11700216040	RAVI SHANKAR		20	19	20	9	15	14	1	1	1	1	1	1	1		
36	IT2016/069	11700216041	RAJARSHI DAS		19	19	19	9	15	14	1	1	1	1	1	1	1		
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		19	18	19	9	14	12	1	1	1	1	1	1	1		
38	IT2016/042	11700216043	RAHUL KARMAKAR		19	19	19	9	15	14	1	1	1	1	1	1	1		
39	IT2016/011	11700216044	RAHUL BARMAN		19	18	19	9	14	13	1	1	1	1	1	1	1		
40	IT2016/077	11700216045	PUSPITA DAS		18	18	18	9	14	13	1	1	1	1	1	1	1		
41	IT2016/092	11700216046	PRIYANKA DAS		18	18	18	9	14	13	1	1	1	1	1	1	1		
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		20	19	20	9	15	13	1	1	1	1	1	1	1		
43	IT2016/093	11700216048	PRITAM MANNA		19	18	19	9	14	14	1	1	1	1	1	1	1		
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		19	18	19	9	14	13	1	1	1	1	1	1	1		
45	IT2016/070	11700216050	PRASENJIT DEY		19	18	19	9	14	12	1	1	1	1	1	1	1		
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		20	19	20	9	15	13	1	1	1	1	1	1	1		
47	IT2016/010	11700216052	PIYUSH KUMAR		20	19	20	9	15	14	1	1	1	1	1	1	1		
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		18	18	18	9	14	13	1	1	1	1	1	1	1		
49	IT2016/085	11700216054	PAROMITA PODDAR		20	19	20	9	15	14	1	1	1	1	1	1	1		
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		19	18	19	9	14	12	1	1	1	1	1	1	1		
51	IT2016/062	11700216056	MD MUZAMMIL		19	18	19	9	14	12	1	1	1	1	1	1	1		
52	IT2016/066	11700216058	LAKHAN KUMAR		17	16	17	8	13	12	1	1	1	1	1	1	1		
53	IT2016/008	11700216059	KUNAL THAKUR		19	18	19	9	14	14	1	1	1	1	1	1	1		
54	IT2016/045	11700216060	KUMARI RIYA		19	18	19	9	14	13	1	1	1	1	1	1	1		
55	IT2016/023	11700216061	KUMAR ANUBHAV		19	18	19	9	15	14	1	1	1	1	1	1	1		
56	IT2016/076	11700216062	KUMAR ADITYA		20	19	20	9	15	15	1	1	1	1	1	1	1		
57	IT2016/073	11700216063	KAVERI SAHA		19	18	19	9	15	14	1	1	1	1	1	1	1		
58	IT2016/019	11700216064	INDRANI MAITY		19	18	19	9	14	12	1	1	1	1	1	1	1		
59	IT2016/007	11700216065	HOZAIFA WAHID		19	19	19	9	15	14	1	1	1	1	1	1	1		
60	IT2016/079	11700216066	HIMANSHU SHARAN		20	19	20	9	15	15	1	1	1	1	1	1	1		

61	IT2016/018	11700216067	HIMANSHU JAISWAL	17	16	17	8	13	10	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	20	19	20	9	15	14	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	20	19	20	9	15	15	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	19	19	19	9	15	14	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	19	18	19	9	14	12	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	20	19	20	9	15	15	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	19	19	19	9	15	14	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	19	18	19	9	14	13	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	19	18	19	9	14	12	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	20	19	20	9	15	15	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	20	19	20	9	15	14	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	17	16	17	8	13	12	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	19	18	19	9	14	12	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	19	18	19	9	14	12	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	19	19	19	9	15	14	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	17	16	17	8	13	10	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	20	19	20	9	15	15	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	18	18	18	9	14	13	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	19	18	19	9	14	14	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	19	18	19	9	14	13	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	20	19	20	9	15	14	1	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	18	18	18	9	14	13	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	19	18	19	9	14	14	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	19	18	19	9	15	14	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	20	19	20	9	15	13	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	18	18	18	9	14	13	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	20	19	20	9	15	15	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	19	18	19	9	14	12	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	19	18	19	9	14	12	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	16	16	16	8	12	12	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	20	19	20	9	15	15	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	20	19	20	9	15	15	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	19	18	19	9	14	14	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	18	17	18	8	14	12	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	18	17	18	8	14	14	1	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	18	17	18	8	14	12	1	1	1	1	1	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	17	16	17	8	13	11	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	18	17	18	8	14	12	1	1	1	1	1	1	1

1	98	98	98	98	98	98
0	0	0	0	0	0	0
CO attn	1.00	1.00	1.00	1.00	1.00	1.00

Avg Attn	1.00
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	3											
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	2.00	2.33	2.50	2.25	2.20	2.00	2.00	0	3.00	0	2.00	2.00
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3
Attainment of PO for this course	2.00	2.33	2.50	2.25	2.20	2.00	2.00	0.00	3.00	0.00	2.00	2.00	**1.86**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	1.40	1.83	1.333	
Overall(Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	1.40	1.83	1.33	**1.52**

Mapping of CO with PO and PSO of Project-1 (Paper code: IT795)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	3	3	3	3	3	-	-	-	2	2
CO2	2	3	3	3	1	2	3	-	-	-	-	2
CO3	2	2	-	2	3	-	-	-	-	-	-	2
CO4	2	2	-	2	3	-	-	2	3	3	-	-
CO5	1	1	1	2	-	2	2	2	2	1	2	-
CO6	1	-	3	-	2	-	-	-	-	-	3	-
AVERAGE	2.00	2.50	3.00	2.50	2.50	2.50	3.00	2.00	3.00	3.00	2.00	2.00
Average = Sum/ Number of entries												

Table 2

TABLE2:	PSO1	PSO2	PSO3
CO1	2	3	3
CO2	1	3	3
CO3	3	1	2
CO4	2	2	-
CO5	1	2	2
C06	1	-	2
AVERAGE	1.67	2.20	2.40

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

Sl No	Class Roll	Univ Roll	Name	Internal Continuous Assesment (60)						External Assessment (40)	Course Outcome Attainment with target in %						
				Course Outcomes	Continuous Assesment-1 (30)			Continuous Assesment-2 (30)									
				Marks Distribution	CO1	CO2	CO3	CO4	CO5	CO6	40	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
				Target Level	10	10	10	10	10	10	75%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		8	9	9	9	8	8	34	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		8	8	9	8	8	8	31	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		7	7	7	7	6	6	25	0	0	0	0	0	0	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		8	8	10	9	9	8	33	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		9	9	10	9	8	8	33	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		8	7	8	7	7	7	28	1	0	1	0	0	0	0
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		8	8	9	7	8	8	29	1	1	1	0	1	1	0
8	IT2016/081	11700216013	SWETA BOSE		8	8	9	7	8	8	28	1	1	1	0	1	1	0
9	IT2016/028	11700216014	SWARNALI ROY		8	7	8	7	8	7	29	1	0	1	0	1	0	0
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		8	7	9	7	8	8	28	1	0	1	0	1	1	0
11	IT2016/013	11700216016	SUSTHIT BISWAS		9	8	10	9	8	8	32	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		8	7	8	8	7	7	31	1	0	1	1	0	0	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		8	8	9	9	8	8	33	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		8	7	8	8	7	7	30	1	0	1	1	0	0	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		8	7	9	8	7	8	29	1	0	1	1	0	1	0
16	IT2016/057	11700216021	SREJITA SAHA		7	8	8	8	7	7	27	0	1	1	1	0	0	0
17	IT2016/038	11700216022	SOMA ROY		9	9	9	9	9	8	34	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		8	9	9	9	9	8	33	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		7	7	9	8	7	8	29	0	0	1	1	0	1	0
20	IT2016/031	11700216025	SHUBHA GAYEN		7	7	9	8	7	7	30	0	0	1	1	0	0	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	8	9	9	9	9	32	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		9	8	9	8	9	8	31	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		9	8	9	9	9	9	33	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		6	7	7	6	7	7	24	0	0	0	0	0	0	0
25	IT2016/053	11700216030	SHAHZEB AKHTAR		9	9	10	9	8	8	32	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		9	8	9	8	9	9	32	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		8	8	8	8	7	7	28	1	1	1	1	0	0	0
28	IT2016/029	11700216033	SANANDA PODDER		8	7	9	8	7	7	29	1	0	1	1	0	0	0
29	IT2016/030	11700216034	SAMRAT HALDER		9	9	10	9	8	9	32	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		8	8	10	8	8	8	31	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		7	8	8	8	7	8	30	0	1	1	1	0	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		9	8	10	9	9	8	32	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		7	8	9	7	8	8	28	0	1	1	0	1	1	0
34	IT2016/004	11700216039	RIBHU GHOSH		9	8	9	9	9	8	35	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		8	8	9	7	8	7	28	1	1	1	0	1	0	0
36	IT2016/069	11700216041	RAJARSHI DAS		8	8	10	9	9	8	32	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		8	8	10	8	9	8	32	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		7	7	9	7	8	7	29	0	0	1	0	1	0	0
39	IT2016/011	11700216044	RAHUL BARMAN		7	8	8	7	8	8	30	0	1	1	0	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		7	7	8	7	8	8	29	0	0	1	0	1	1	0

41	IT2016/092	11700216046	PRIYANKA DAS	8	8	9	7	7	8	30	1	1	1	0	0	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	8	8	9	7	7	8	28	1	1	1	0	0	1	0
43	IT2016/093	11700216048	PRITAM MANNA	7	8	8	7	7	8	31	0	1	1	0	0	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	8	10	9	8	9	32	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	9	9	8	8	8	34	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	9	9	9	8	9	9	31	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	9	8	9	8	8	8	32	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	8	10	8	8	9	34	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	8	7	9	8	8	8	30	1	0	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	8	9	9	8	8	8	32	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	8	9	10	8	8	8	34	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	8	7	8	8	7	8	29	1	0	1	1	0	1	0
53	IT2016/008	11700216059	KUNAL THAKUR	10	9	10	9	10	10	37	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	8	9	10	8	8	8	32	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	9	9	10	8	8	8	35	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	9	8	10	8	9	9	33	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	9	8	10	8	9	8	33	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	8	8	7	8	7	29	1	1	1	0	1	0	0
59	IT2016/007	11700216065	HOZAIFA WAHID	8	8	10	9	9	8	35	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	9	9	9	8	9	34	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	7	7	8	8	7	7	27	0	0	1	1	0	0	0
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	8	10	9	8	8	34	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	8	9	9	8	8	9	35	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	8	9	8	9	8	32	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	9	8	9	8	8	9	32	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	7	7	9	8	8	7	30	0	0	1	1	1	0	1
67	IT2016/060	11700216073	DAMINI KUMARI	8	8	8	7	7	7	29	1	1	1	0	0	0	0
68	IT2016/015	11700216075	BITTU KUMAR	7	8	9	8	7	8	29	0	1	1	1	0	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	8	7	9	8	7	7	29	1	0	1	1	0	0	0
70	IT2016/009	11700216077	BIDISHA MONDAL	9	9	10	10	10	10	36	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	8	7	9	8	8	7	30	1	0	1	1	1	0	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	8	7	8	8	7	8	31	1	0	1	1	0	1	1
73	IT2016/090	11700216080	AVIK DATTA	7	8	9	7	7	7	28	0	1	1	0	0	0	0
74	IT2016/016	11700216081	AVIJIT DAS	8	8	9	9	9	8	35	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	8	8	9	7	7	8	30	1	1	1	0	0	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	8	8	8	8	7	7	28	1	1	1	1	0	0	0
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	10	10	10	10	9	39	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	7	7	9	8	7	8	27	0	0	1	1	0	1	0
79	IT2016/017	11700216086	ARNAB DAS	9	9	9	8	8	8	33	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	8	8	10	9	8	9	32	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	7	8	9	7	8	8	28	0	1	1	0	1	1	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	9	10	9	8	9	35	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	7	8	9	8	7	8	28	0	1	1	1	0	1	0
84	IT2016/012	11700216092	ANUMITA SAHA	8	8	8	8	8	7	29	1	1	1	1	1	0	0
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	8	8	9	8	8	9	35	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	9	8	10	8	9	9	32	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	8	7	8	7	7	7	29	1	0	1	0	0	0	0
88	IT2016/074	11700216096	AMIT KUMAR	9	8	9	8	9	9	32	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	8	9	9	8	9	32	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	6	6	8	6	7	6	25	0	0	1	0	0	0	0
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	8	9	10	9	8	8	33	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	9	10	10	10	9	10	36	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	6	6	8	7	6	7	25	0	0	1	0	0	0	0
94	IT2017/L06	11700217002	SNEHA YADAV	7	8	8	8	8	7	28	0	1	1	1	1	0	0
95	IT2017/L03	11700217003	RUMELI BANERJEE	7	6	8	7	7	6	25	0	0	1	0	0	0	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	6	7	8	7	7	7	25	0	0	1	0	0	0	0
97	IT2017/L05	11700217005	DEBALINA MAITI	7	8	8	8	7	7	28	0	1	1	1	0	0	0
98	IT2017/L04	11700217006	ANWESHA DEY	7	7	8	7	7	8	30	0	0	1	0	0	1	1

1	73	71	96	72	65	70	62
0	25	27	2	26	33	28	36
CO attn	0.74	0.72	0.98	0.73	0.66	0.71	0.63

Avg Attn	0.7602
Attn Lvl	2

Avg Attn	0.63
Attn Lvl	1

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in internal continuous assessment + 60% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	1.6											
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	2.00	2.50	3.00	2.50	2.50	2.50	3.00	2.00	3.00	3.00	2.00	2.00
Overall(Direct) CO attainment level	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Attainment of PO for this course	1.07	1.33	1.60	1.33	1.33	1.33	1.60	1.07	1.60	1.60	1.07	1.07	**1.33**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	1.67	2.20	2.4	
Overall(Direct) CO attainment level	1.6	1.6	1.6	
Attainment of PSO for this course	0.89	1.17	1.28	**1.11**

Mapping of CO with PO and PSO of Group Discussion (Paper code: HU781)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	2	1	1	1	1	3	-	-	1
CO2	3	3	3	3	1	1	1	1	3	1	1	1
CO3	1	-	-	-	-	-	-	-	3	1	-	1
CO4	2	1	-	-	-	2	-	-	3	1	2	1
CO5	1	1	1	-	2	3	3	3	3	1	1	-
CO6	2	2	2	3	3	1	-	-	-	-	-	-
AVERAGE	2.00	2.00	2.25	2.67	1.75	1.60	1.67	1.67	3.00	1.00	1.33	1.00

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	3
CO2	3	2	3
CO3	1	1	1
CO4	3	3	2
CO5	1	2	3
CO6	1	2	2
AVERAGE	2.00	2.17	2.34

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL PCA's						Univ. Exam	Course Outcome Attainment with target in %						
				PCA1			PCA2										
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
			Marks Distribution	15	15	10	15	15	10	60	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%					
1	IT2016/034	11700216006	YASH AGARWAL		13	12	9	14	15	8	57	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		14	15	9	13	15	8	58	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		12	11	8	14	12	8	50	1	0	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		14	15	9	13	15	8	57	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		15	13	10	12	15	10	57	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		14	15	9	13	15	8	57	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		15	13	10	12	15	10	57	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		15	13	10	12	15	10	58	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		13	12	9	14	15	10	49	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		15	13	10	12	15	10	57	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		12	11	8	14	12	8	57	1	0	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		15	13	10	12	15	10	57	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		13	12	9	14	15	10	56	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		15	13	10	12	15	10	57	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		13	12	9	14	15	10	49	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		14	15	9	13	15	8	58	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		12	11	8	14	12	8	49	1	0	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK		13	12	9	14	15	10	55	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		12	12	9	14	15	10	57	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN		15	13	10	12	15	10	57	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		14	15	9	13	15	8	57	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		15	13	10	12	15	10	57	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		14	13	10	12	15	10	58	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		15	13	10	12	15	10	58	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		15	14	10	12	14	10	57	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		12	12	9	14	15	10	58	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		14	13	10	12	15	10	57	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		14	13	10	12	15	10	49	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		12	11	7	14	12	8	49	1	0	0	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		14	13	10	12	15	10	57	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		14	13	10	12	13	10	57	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		15	13	10	12	15	10	57	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		14	12	10	12	15	10	49	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		15	12	10	12	15	10	57	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		15	12	10	12	15	10	49	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		13	12	10	12	15	10	58	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		15	12	8	12	15	9	58	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		15	14	10	12	15	10	56	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		15	12	10	12	15	10	85	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		14	12	8	14	13	9	57	1	1	1	1	1	1	1

41	IT2016/092	11700216046	PRIYANKA DAS	15	12	10	12	15	10	49	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	15	14	10	12	15	9	48	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	15	12	8	12	13	10	49	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	15	12	10	12	15	8	57	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	15	12	10	12	15	10	55	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	15	12	10	12	15	10	48	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	15	12	10	12	15	10	57	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	15	12	10	12	15	10	47	1	1	1	1	1	1	0
49	IT2016/085	11700216054	PAROMITA PODDAR	15	12	10	12	15	10	57	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	15	12	10	12	15	10	47	1	1	1	1	1	1	0
51	IT2016/062	11700216056	MD MUZAMMIL	15	12	10	12	15	10	55	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	12	11	7	14	12	8	56	1	0	0	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	15	12	10	12	15	10	48	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	15	12	10	12	15	10	58	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	15	12	10	12	15	10	58	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	15	12	10	12	15	10	58	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	15	13	10	12	15	10	58	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	15	12	10	12	15	10	58	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	15	13	10	12	15	10	55	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	15	12	10	12	15	10	58	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	15	12	10	12	15	10	58	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	15	12	9	12	15	10	58	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	15	12	10	12	15	10	57	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	15	12	10	12	13	10	57	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	14	12	10	12	13	10	58	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	15	12	8	12	15	10	58	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	15	12	10	12	15	10	58	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	14	13	10	12	12	10	49	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	15	12	10	12	15	8	58	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	14	13	8	12	15	9	58	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	15	13	10	12	15	10	49	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	13	12	8	13	15	10	58	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	15	13	10	12	15	10	58	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	15	13	10	12	15	10	50	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	12	11	7	14	12	8	50	1	0	0	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	15	13	8	12	15	10	57	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	15	13	10	12	15	10	57	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	15	12	10	12	15	10	57	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	15	13	10	12	15	10	57	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	15	13	9	12	15	10	57	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	12	11	7	14	12	8	50	1	0	0	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	15	13	9	12	15	10	50	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	15	12	9	12	15	10	57	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	15	13	9	15	14	10	57	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	15	13	9	12	15	10	56	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	15	13	10	12	15	10	57	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	15	13	9	12	15	10	57	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	15	13	9	12	15	10	57	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	14	13	10	12	15	9	50	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	15	12	9	13	15	10	57	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	15	13	9	12	15	10	57	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	14	14	9	12	15	8	56	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	13	12	8	13	15	10	50	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	13	12	9	14	15	10	49	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	13	12	8	13	15	10	48	1	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	12	11	8	14	12	8	50	1	0	1	1	1	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	15	13	10	12	15	10	49	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	15	13	10	12	15	10	57	1	1	1	1	1	1	1

1	98	90	94	98	98	98	96
0	0	8	4	0	0	0	2
CO attn	1.00	0.92	0.96	1.00	1.00	1.00	0.98

Avg Attn	0.98
Attn Level	3

Avg Attn	0.98
Attn Level	3

Overall Course Outcome Attainment													
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)													
Direct CO attainment level			3										
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	2.00	2.00	2.25	2.67	1.75	1.60	1.67	1.67	3.00	1.00	1.33	1.00	
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	2.00	2.00	2.25	2.67	1.75	1.60	1.67	1.67	3.00	1.00	1.33	1.00	**1.83**

PSO attainment vale = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.00	2.17	2.34	
Overall(Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	2.00	2.17	2.34	**2.17**

Attainment Details of Semester VIII

Mapping of CO with PO and PSO of Organisational Behaviour (Paper code: HU801A)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	-	-	-	-	-	3	-	-	2	-	3	-
CO2	-	-	-	-	-	3	-	-	2	-	3	-
CO3	-	-	-	-	-	3	-	-	2	-	3	-
CO4	-	-	-	-	-	3	-	-	2	-	3	-
CO5	-	-	-	-	-	3	-	-	2	-	3	-
CO6	-	-	-	-	-	3	-	-	2	-	3	-
AVERAGE	0	0	0	0	0	3.00	0	0	2.00	0	3.00	0
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	-	1	-
CO2	-	2	-
CO3	-	1	-
CO4	-	2	-
CO5	-	2	-
CO6	-	2	-
AVERAGE	0	1.67	0

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL CA's						Univ. Exam							
				CA1/CA2/CA3/CA4													
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
			Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%					
1	IT2016/034	11700216006	YASH AGARWAL		8	13	21	12	8	20	85	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		7	13	20	11	8	20	85	0	1	1	0	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		8	11	20	13	7	20	75	1	0	1	1	0	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	12	23	13	9	24	85	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	11	22	12	9	21	75	1	0	1	1	1	1	0
6	IT2016/037	11700216011	TIASHA SARKAR		8	13	21	13	9	22	95	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	13	21	13	7	22	85	0	1	1	1	0	1	1
8	IT2016/081	11700216013	SWETA BOSE		9	14	23	15	8	20	95	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		10	13	24	14	9	23	95	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		10	12	21	12	10	24	85	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	13	23	14	9	24	85	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		9	14	23	13	10	23	95	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		6	14	20	12	8	20	95	0	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		7	13	25	12	8	20	85	0	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	13	24	14	9	23	95	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	14	23	11	10	24	85	1	1	1	0	1	1	1
17	IT2016/038	11700216022	SOMA ROY		10	13	24	15	9	23	75	1	1	1	1	1	1	0
18	IT2016/058	11700216023	SK MD FARUK		5	13	20	11	8	21	85	0	1	1	0	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		8	5	10	10	9	8	85	1	0	0	0	1	0	1
20	IT2016/031	11700216025	SHUBHA GAYEN		9	13	22	14	8	23	95	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	12	20	13	7	21	85	1	1	1	1	0	1	1
22	IT2016/049	11700216027	SHREYA VATS		9	15	23	15	9	24	85	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		3	14	18	13	9	20	85	0	1	0	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		10	14	23	14	10	24	95	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		7	10	15	8	8	18	85	0	0	0	0	1	0	1
26	IT2016/046	11700216031	SAYON MOULIK		10	13	23	13	8	23	85	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		9	15	21	13	8	24	95	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		8	13	22	14	9	22	95	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		9	8	22	12	8	15	85	1	0	1	1	1	0	1
30	IT2016/002	11700216035	RONAK BARMAN		5	5	12	14	8	10	85	0	0	0	1	1	0	1
31	IT2016/036	11700216036	ROHIT SINGH		9	14	23	13	10	24	85	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		8	13	20	13	8	15	95	1	1	1	1	1	0	1
33	IT2016/083	11700216038	RITTIKA PAUL		3	13	14	13	8	20	95	0	1	0	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		8	8	20	12	7	13	85	1	0	1	1	0	0	1
35	IT2016/067	11700216040	RAVI SHANKAR		8	9	20	19	8	22	85	1	0	1	1	1	1	1

36	IT2016/069	11700216041	RAJARSHI DAS	9	13	22	12	9	20	85	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	9	14	23	13	10	24	85	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	8	13	20	13	8	15	85	1	1	1	1	1	0	1
39	IT2016/011	11700216044	RAHUL BARMAN	5	13	14	13	8	20	95	0	1	0	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	8	11	20	13	8	21	85	1	0	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	9	8	22	12	8	15	85	1	0	1	1	1	0	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	8	5	12	14	8	10	85	1	0	0	1	1	0	1
43	IT2016/093	11700216048	PRITAM MANNA	9	14	23	13	10	24	85	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	22	13	9	22	85	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	13	14	13	8	20	75	1	1	0	1	1	1	0
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	8	8	20	12	7	13	85	1	0	1	1	0	0	1
47	IT2016/010	11700216052	PIYUSH KUMAR	8	9	20	19	8	22	85	1	0	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	23	14	9	23	95	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	10	13	24	14	9	23	95	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	10	12	21	12	10	24	85	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	10	13	23	14	9	24	85	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	9	14	23	13	10	23	85	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	6	14	20	12	8	20	85	0	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	7	13	25	12	8	20	85	0	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	24	14	9	23	95	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	9	14	23	13	10	24	85	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	10	13	24	15	9	23	85	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	8	5	9	10	8	11	85	1	0	0	0	1	0	1
59	IT2016/007	11700216065	HOZAIFA WAHID	8	5	10	13	9	20	85	1	0	0	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	21	12	9	22	85	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	8	13	14	13	8	20	85	1	1	0	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	8	13	20	12	7	22	75	1	1	1	1	0	1	0
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	8	9	20	19	8	22	85	1	0	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	13	23	14	9	23	85	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	10	13	24	14	9	23	85	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	10	12	21	12	10	24	85	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	13	23	14	9	24	85	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	9	14	23	13	10	23	75	1	1	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	6	14	20	12	8	20	75	0	1	1	1	1	1	0
70	IT2016/009	11700216077	BIDISHA MONDAL	7	13	25	12	8	20	85	0	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	10	13	24	14	9	23	85	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	11	20	12	9	20	85	1	0	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	9	12	22	13	9	23	85	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	9	11	20	12	9	21	85	1	0	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	8	13	22	13	10	22	75	1	1	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	9	14	23	13	10	23	85	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	8	9	20	19	8	22	95	1	0	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	8	13	23	14	9	23	85	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	10	13	24	14	9	23	85	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	5	12	21	12	10	24	85	0	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	5	13	23	14	9	24	85	0	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	3	8	8	13	0	14	85	0	0	0	1	0	0	1
83	IT2016/091	11700216091	ANWESHA SAHA	0	13	8	12	5	11	85	0	1	0	1	0	0	1
84	IT2016/012	11700216092	ANUMITA SAHA	5	13	13	13	0	16	85	0	1	0	1	0	0	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	8	12	20	11	9	20	85	1	1	1	0	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	5	13	12	8	5	17	85	0	1	0	0	0	0	1
87	IT2016/068	11700216095	ANKITA DATTA	9	11	22	13	9	23	95	1	0	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	10	13	20	13	8	21	85	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	11	20	13	7	22	85	1	0	1	1	0	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	7	13	20	12	9	20	75	0	1	1	1	1	1	0
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	9	11	22	14	8	23	85	1	0	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	10	12	23	14	7	22	85	1	1	1	1	0	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	10	12	22	14	8	22	85	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	9	12	23	14	7	20	85	1	1	1	1	0	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	9	14	23	13	8	23	75	1	1	1	1	1	1	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	9	8	22	12	8	15	75	1	0	1	1	1	0	0
97	IT2017/L05	11700217005	DEBALINA MAITI	5	5	12	8	8	10	85	0	0	0	0	1	0	1
98	IT2017/L04	11700217006	ANWESHA DEY	7	11	23	7	10	24	85	0	0	1	0	1	1	1

1	75	72	82	88	85	81	87
0	23	26	16	10	13	17	11
CO attn	0.77	0.73	0.84	0.90	0.87	0.83	0.89

Avg Attn	0.82
Attn Level	3

Avg Attn	0.89
Attn Level	3

Overall Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	3											
Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	0	0	0	0	0	3.00	0	0	2.00	0	3.00	0
Overall (Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3
Attainment of PO for this course	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	2.00	0.00	3.00	0.00	**0.67**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	0	1.67	0	
Overall (Direct) CO attainment level	3.00	3.00	3.00	
Attainment of PSO for this course	0.00	1.67	0.00	**0.56**

Mapping of CO with PO and PSO of Project Management (Paper code: HU801B)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	2	1	1	1	3	2	1	2	3	2	2
CO2	3	2	2	2	3	1	3	3	3	1	1	1
CO3	2	3	3	1	1	1	-	2	3	2	2	1
CO4	3	1	2	3	3	2	1	3	3	2	2	3
CO5	1	2	1	2	3	2	-	1	2	1	2	1
CO6	3	3	2	1	2	1	-	2	2	-	2	2
AVERAGE	2.17	2.17	1.83	1.67	2.33	1.80	2.00	2.00	2.50	1.80	1.83	1.67

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	3	1
CO2	3	2	-
CO3	2	3	-
CO4	3	2	1
CO5	3	2	1
CO6	3	2	1
AVERAGE	2.83	2.33	1.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

Sl No	Class Roll	Univ Roll	Name		ALL CA's CA1/CA2/CA3/CA4						Univ. Exam	Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
				Target Level	80%						60%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		9	13	22	10	9	21	64	1	1	1	0	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		8	13	20	10	8	22	61	1	1	1	0	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		7	10	21	13	7	19	67	0	0	1	1	0	0	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		9	12	23	14	9	22	75	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		9	11	22	12	9	21	65	1	0	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		8	13	21	13	9	22	75	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		7	13	21	13	7	21	67	0	1	1	1	0	1	1
8	IT2016/081	11700216013	SWETA BOSE		9	14	23	15	8	24	76	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		9	14	24	14	9	23	75	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		9	13	21	12	10	22	70	1	1	1	1	1	1	1

11	IT2016/013	11700216016	SUSTHIT BISWAS	8	13	23	14	9	24	68	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR	9	14	23	13	10	23	64	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR	6	14	20	12	8	20	55	0	1	1	1	1	1	0
14	IT2016/094	11700216019	SUBHOJEET BHADURI	7	13	21	12	8	20	67	0	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	9	13	24	14	9	23	62	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	9	14	22	13	9	24	75	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY	9	13	23	15	9	23	75	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	7	14	20	14	8	21	55	0	1	1	1	1	1	0
19	IT2016/014	11700216024	SIDDHANT SAHANI	9	13	24	15	9	24	75	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN	9	13	22	14	8	23	65	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	9	12	20	13	7	21	55	1	1	1	1	0	1	0
22	IT2016/049	11700216027	SHREYA VATS	9	15	23	15	9	24	75	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	9	14	24	14	9	24	75	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	9	14	22	14	9	24	75	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	9	14	22	14	8	23	65	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	9	13	23	13	8	23	65	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	9	12	21	13	8	22	58	1	1	1	1	1	1	0
28	IT2016/029	11700216033	SANANDA PODDER	8	13	22	14	9	23	65	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	9	12	21	12	9	22	65	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	9	12	22	14	8	22	65	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	9	14	23	13	9	24	76	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	9	13	23	13	9	23	65	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	8	14	23	13	9	22	65	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	9	13	23	14	10	23	77	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	8	15	24	15	9	25	75	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	9	13	22	12	9	3	65	1	1	1	1	1	0	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	9	14	25	15	10	25	71	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	14	24	14	9	23	75	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	8	12	20	11	10	21	55	1	1	1	0	1	1	0
40	IT2016/077	11700216045	PUSPITA DAS	8	10	21	13	7	21	45	1	0	1	1	0	1	0
41	IT2016/092	11700216046	PRIYANKA DAS	9	14	23	14	9	23	65	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	13	24	14	9	24	75	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	8	13	21	14	8	22	68	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	22	13	9	22	65	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	14	21	13	9	23	67	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	9	13	24	15	10	24	85	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	9	12	24	15	9	25	85	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	8	13	23	14	9	23	75	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	14	23	14	10	23	75	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	9	12	23	13	10	23	75	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	9	13	21	13	9	22	55	1	1	1	1	1	1	0
52	IT2016/066	11700216058	LAKHAN KUMAR	8	12	20	13	7	20	58	1	1	1	1	0	1	0
53	IT2016/008	11700216059	KUNAL THAKUR	9	14	23	13	10	23	65	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	9	11	20	11	9	20	55	1	0	1	0	1	1	0
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	14	24	14	9	24	85	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	10	13	23	13	10	23	85	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	8	12	20	14	6	20	55	1	1	1	1	0	1	0
58	IT2016/019	11700216064	INDRANI MAITY	8	14	22	12	10	22	78	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	8	12	20	12	8	21	65	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	21	12	9	22	70	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	12	22	13	8	23	65	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	13	17	13	9	23	75	1	1	0	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	14	23	13	8	24	75	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	9	13	23	13	8	22	75	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	8	13	21	11	9	22	78	1	1	1	0	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	7	12	20	11	9	20	54	0	1	1	0	1	1	0
67	IT2016/060	11700216073	DAMINI KUMARI	8	14	22	13	9	23	75	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	9	12	20	13	8	21	58	1	1	1	1	1	1	0
69	IT2016/040	11700216076	BIKRAM MITRA	9	13	22	14	8	22	75	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	8	12	21	13	8	21	65	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	12	22	12	8	21	65	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	11	20	12	9	20	55	1	0	1	1	1	1	0
73	IT2016/090	11700216080	AVIK DATTA	9	9	22	13	9	23	65	1	0	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	9	11	20	12	9	21	70	1	0	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	8	13	22	13	10	22	75	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	9	14	23	13	10	23	75	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	14	22	13	10	23	75	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	12	18	13	6	20	68	1	1	0	1	0	1	1
79	IT2016/017	11700216086	ARNAB DAS	9	14	23	14	9	23	75	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	9	13	24	14	10	24	75	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	13	23	13	9	23	75	1	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	8	12	16	12	8	20	67	1	1	0	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	9	13	20	12	8	20	55	1	1	1	1	1	1	0
84	IT2016/012	11700216092	ANUMITA SAHA	9	12	22	13	8	22	65	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	8	12	20	11	9	20	68	1	1	1	0	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	8	13	20	12	9	21	65	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	12	22	12	9	23	75	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	7	13	17	13	8	21	65	0	1	0	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	11	20	13	8	22	65	1	0	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	9	12	22	13	9	23	75	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	8	12	21	12	9	21	58	1	1	1	1	1	1	0
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	6	13	22	14	9	21	73	0	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	8	13	20	12	9	23	65	1	1	1	1	1	1	1

94	IT2017/L06	11700217002	SNEHA YADAV	9	13	22	14	9	23	75	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	8	10	23	13	8	23	75	1	0	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	8	13	18	12	9	20	70	1	1	0	1	1	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	9	11	22	14	8	23	75	1	0	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	9	13	23	14	7	22	65	1	1	1	1	0	1	1

1	90	88	93	91	90	96	83
0	8	10	5	7	8	2	15
CO attn	0.87	0.85	0.90	0.88	0.87	0.93	0.81

Avg Attn	0.887
Attn Level	3

Avg Attn	0.81
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	3

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	2.17	2.17	1.83	1.67	2.33	1.80	2.00	2.00	2.50	1.80	1.83	1.67	
Overall (Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	2.17	2.17	1.83	1.67	2.33	1.80	2.00	2.00	2.50	1.80	1.83	1.67	**1.98**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.83	2.33	1.00	
Overall (Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	2.83	2.33	1.00	**2.06**

Mapping of CO with PO and PSO of Cryptography & Network Security(Paper code:IT801D)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	-	-	1	1	1	-	-	-	1
CO2	3	1	1	-	-	1	1	1	-	-	-	1
CO3	3	2	2	1	-	1	1	1	-	-	-	1
CO4	3	3	3	2	-	1	1	1	-	-	-	1
CO5	3	3	3	2	-	1	1	1	-	-	-	1
CO6	3	2	2	2	-	1	1	1	-	-	-	1
AVERAGE	3.00	2.00	2.00	1.75	0	1.00	1.00	1.00	0	0	0	1.00
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	1	1
CO2	1	1	1
CO3	1	1	2
CO4	1	1	2
CO5	1	1	2
CO6	1	1	2
AVERAGE	1.00	1.00	1.67

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					ALL CA's						Univ. Exam							
					CA1/CA2/CA3/CA4													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6		Course Outcome Attainment with target in %						
				Marks Distribution	10	15	25	15	10	25	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		7	12	22	13	9	21	85	0	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		9	15	23	12	8	22	95	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		10	13	21	14	9	24	95	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR		8	14	20	15	10	21	95	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		10	13	21	14	9	23	85	1	1	1	1	1	1	1

6	IT2016/037	11700216011	TIASHA SARKAR	10	12	20	14	9	24	85	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY	9	13	21	15	9	22	95	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE	9	12	19	13	8	21	85	1	1	0	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY	10	13	21	14	9	24	85	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE	8	14	20	15	10	21	85	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS	10	13	21	14	9	24	85	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR	9	15	23	12	8	22	95	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR	10	13	21	14	9	24	85	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI	8	14	20	15	10	21	95	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	10	13	21	14	9	24	95	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	9	12	19	13	8	21	85	1	1	0	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY	10	13	21	14	9	24	95	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	10	13	21	14	9	24	95	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI	9	13	21	15	9	22	85	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN	10	13	21	14	9	24	95	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	8	13	21	14	9	24	95	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	10	13	21	14	9	23	85	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	10	13	20	14	9	24	85	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	9	13	21	15	9	22	95	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	8	12	18	13	9	21	75	1	1	0	1	1	1	0
26	IT2016/046	11700216031	SAYON MOULIK	10	13	21	14	9	24	85	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	8	13	20	14	9	24	95	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	10	13	21	14	9	24	95	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	9	12	22	13	7	21	85	1	1	1	1	0	1	1
30	IT2016/002	11700216035	RONAK BARMAN	9	15	23	12	8	22	95	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	10	13	21	14	9	24	95	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	8	14	20	15	10	21	95	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	10	13	21	14	9	24	95	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	10	13	21	14	9	24	85	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	9	15	23	12	8	22	95	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	10	13	21	14	9	24	95	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	8	14	20	15	10	21	95	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	10	13	21	14	9	24	95	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	9	15	23	12	8	22	85	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	10	13	21	14	9	24	95	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	8	14	20	15	10	21	95	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	10	13	21	14	9	24	95	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	15	23	12	8	22	85	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	10	13	21	14	9	24	95	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	8	14	20	15	10	21	85	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	10	13	21	14	9	24	85	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	10	13	21	14	9	24	85	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	9	12	19	13	8	21	85	1	1	0	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	10	13	21	14	9	24	95	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	8	14	20	15	10	21	85	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	10	13	21	14	9	24	95	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	9	15	23	12	8	22	85	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	10	13	21	14	9	24	95	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	8	14	20	15	10	21	95	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	10	13	21	14	9	24	95	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	10	13	21	14	9	24	95	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	9	15	23	12	8	22	95	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	10	13	21	14	9	24	95	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	10	12	19	13	8	21	85	1	1	0	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	9	12	22	13	7	21	85	1	1	1	1	0	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	15	23	12	8	22	95	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	10	13	21	14	9	24	95	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	8	14	20	15	10	21	85	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	10	13	21	14	9	24	95	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	10	13	21	14	9	24	95	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	9	15	23	12	8	22	85	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	10	13	21	14	9	24	95	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	8	14	20	15	10	21	85	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	10	13	21	14	9	24	95	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	9	15	23	12	8	22	95	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	10	13	21	14	9	24	95	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	8	14	20	15	10	21	85	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	10	13	21	14	9	24	85	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	8	14	20	15	10	21	95	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	8	14	20	10	10	21	75	1	1	1	0	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	10	13	21	14	9	24	95	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	8	14	20	15	10	21	95	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	10	13	21	14	9	24	85	1	1	1	1	1	1	1

79	IT2016/017	11700216086	ARNAB DAS	9	15	23	12	8	22	85	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	10	13	21	14	9	24	95	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	14	20	15	10	21	85	1	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	10	13	21	14	9	19	75	1	1	1	1	1	0	0
83	IT2016/091	11700216091	ANWESHA SAHA	10	13	21	14	9	24	95	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	9	15	23	12	8	22	95	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	10	13	21	14	9	24	85	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	10	12	22	13	8	21	95	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	12	22	13	9	21	95	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	9	15	23	12	8	22	85	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	10	13	21	14	9	24	85	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	8	14	20	15	10	21	95	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	10	13	21	14	9	24	85	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	10	13	21	14	9	24	85	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	9	15	23	12	8	22	95	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	10	13	21	14	9	24	95	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	9	12	19	13	8	21	85	1	1	0	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	9	15	23	12	8	22	85	1	1	1	1	1	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	10	13	21	14	9	24	95	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	10	12	22	13	8	21	95	1	1	1	1	1	1	1

1	97	98	92	97	96	97	95
0	1	0	6	1	2	1	3
CO attn	0.99	1.00	0.94	0.99	0.98	0.99	0.97

Avg Attn	0.98
Attn Level	3

Avg Attn	0.97
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	3

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.00	2.00	1.75	0	1.00	1.00	1.00	0	0	0	1.00	
Overall (Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	3.00	2.00	2.00	1.75	0.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	**1.06**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	1.00	1.00	1.67	
Overall (Direct) CO attainment level	3.00	3.00	3.00	
Attainment of PSO for this course	1.00	1.00	1.67	**1.22**

Mapping of CO with PO and PSO of Cyber Law & Security Policy(HSS) (Paper code: IT802B)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	1	1	-	-	1	1	3	1	-	-	2
CO2	1	1	1	-	-	2	1	2	-	-	-	2
CO3	3	3	3	1	3	2	2	2	-	-	-	2
CO4	3	2	3	2	3	1	1	2	-	-	-	2
CO5	3	1	1	3	2	2	-	2	-	-	-	2
CO6	3	3	3	1	2	2	-	2	-	-	-	2
AVERAGE	2.67	1.83	2.00	1.75	2.50	1.67	1.25	2.17	1.00	0	0	2.00

Average =sum/ number of entry

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	1	2	1
CO2	1	2	1
CO3	3	3	2
CO4	3	3	2
CO5	2	3	2
CO6	2	3	2
AVERAGE	2.00	2.67	1.67

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

Sl No	Class Roll	Univ Roll	Name	ALL CA's CA1/CA2/CA3/CA4						Univ. Exam	Course Outcome Attainment with target in %						
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								
				Marks Distribution	10	15	25	25	15	10	100	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
				Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		9	12	22	20	13	9	85	0	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		9	12	21	22	13	8	95	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		9	12	22	21	12	8	75	1	1	1	1	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		10	11	23	19	12	8	95	1	0	1	0	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		9	12	21	21	13	8	85	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		7	14	22	22	11	9	85	0	1	1	1	0	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		8	15	22	21	13	9	95	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		8	13	21	22	14	8	95	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		9	14	22	22	13	7	95	1	1	1	1	1	0	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		9	12	23	23	12	8	95	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		10	12	21	21	12	8	95	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		10	13	24	22	14	9	85	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR		9	13	24	23	12	10	95	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI		7	14	21	21	13	9	95	0	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR		10	14	23	22	13	8	95	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA		9	13	17	21	13	8	95	1	1	0	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY		9	14	22	21	11	10	85	1	1	1	1	0	1	1
18	IT2016/058	11700216023	SK MD FARUK		8	13	21	24	13	9	95	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI		9	14	22	22	12	7	95	1	1	1	1	1	0	1
20	IT2016/031	11700216025	SHUBHA GAYEN		9	15	23	22	14	6	95	1	1	1	1	1	0	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA		9	13	23	19	14	9	95	1	1	1	0	1	1	1
22	IT2016/049	11700216027	SHREYA VATS		8	12	22	21	13	9	95	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN		9	12	24	22	13	8	95	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY		9	12	24	21	14	9	95	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR		10	14	23	22	13	9	95	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK		9	15	22	21	13	8	95	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE		10	12	22	22	12	9	85	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER		9	12	21	22	12	9	95	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER		8	12	22	22	13	8	95	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN		9	11	23	22	14	8	95	1	0	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH		8	14	22	21	13	7	95	1	1	1	1	1	0	1
32	IT2016/048	11700216037	RITWIKA BANERJEE		9	15	24	22	12	8	95	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL		8	13	24	20	14	8	95	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH		9	13	21	20	12	8	95	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR		8	13	19	21	12	9	95	1	1	0	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS		8	14	20	21	11	9	95	1	1	1	1	0	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR		9	15	21	22	13	8	95	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR		10	12	22	21	13	8	95	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN		10	12	23	21	12	8	95	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS		9	11	22	22	14	9	95	1	0	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS		9	12	22	21	12	8	95	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE		8	11	23	22	12	8	95	1	0	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA		8	12	22	19	13	9	95	1	1	1	0	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA		8	13	21	21	12	8	95	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY		7	14	23	22	13	8	95	0	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH		5	12	23	21	12	8	85	0	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR		5	12	23	21	13	9	95	0	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE		8	12	21	21	13	8	95	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR		8	12	23	22	14	8	95	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN		9	14	22	21	14	8	95	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL		8	15	23	22	11	9	95	1	1	1	1	0	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR		8	14	20	23	9	9	95	1	1	1	1	0	1	1
53	IT2016/008	11700216059	KUNAL THAKUR		8	13	22	22	14	8	95	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA		7	12	22	23	12	9	95	0	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV		9	12	21	20	12	6	95	1	1	1	1	1	0	1
56	IT2016/076	11700216062	KUMAR ADITYA		9	12	24	22	13	9	95	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA		9	14	21	20	14	10	95	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY		8	12	15	22	14	9	95	1	1	0	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID		9	13	22	21	12	9	95	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN		8	13	22	20	13	8	95	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL		9	13	23	24	13	8	95	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL		8	14	22	24	13	9	95	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA		8	13	22	21	12	9	95	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA		9	12	21	21	12	8	95	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY		8	12	24	20	12	9	95	1	1	1	1	1	1	1

66	IT2016/043	11700216072	DEVESH DUGAR	9	14	24	21	13	9	85	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	9	12	24	21	14	8	95	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	9	12	18	20	14	9	85	1	1	0	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	8	12	21	21	12	9	85	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	9	12	21	21	12	8	95	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	8	11	22	22	12	10	85	1	0	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	8	12	21	23	11	9	95	1	1	1	1	0	1	1
73	IT2016/090	11700216080	AVIK DATTA	8	12	21	22	8	5	85	1	1	1	1	0	0	1
74	IT2016/016	11700216081	AVIJIT DAS	8	13	24	22	12	8	95	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	8	13	23	20	14	9	75	1	1	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	9	15	23	21	12	7	95	1	1	1	1	1	0	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	9	12	21	22	11	9	95	1	1	1	1	0	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	8	13	22	20	12	8	95	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	8	12	21	21	12	8	85	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	9	12	21	22	12	8	95	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	8	14	21	23	12	9	85	1	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	8	13	22	22	13	9	75	1	1	1	1	1	1	0
83	IT2016/091	11700216091	ANWESHA SAHA	7	13	21	20	13	10	95	0	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	7	14	23	20	12	8	95	0	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	8	12	22	21	12	10	95	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	9	11	21	21	13	8	95	1	0	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	12	22	22	13	9	95	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	9	12	21	22	14	7	95	1	1	1	1	1	0	1
89	IT2016/051	11700216097	AMAN KUMAR	9	12	22	20	12	8	95	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	9	12	23	18	12	8	85	1	1	1	0	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	9	14	21	22	12	10	95	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	8	13	21	21	11	9	95	1	1	1	1	0	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	9	12	22	22	12	8	95	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	7	12	18	21	10	9	85	0	1	0	1	0	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	7	12	22	20	12	8	85	0	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	10	14	22	20	12	8	95	1	1	1	1	1	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	9	12	21	22	13	8	95	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	7	10	21	21	12	9	95	0	0	1	1	1	1	1

1	86	91	93	94	88	90	95
0	12	7	5	4	10	8	3
CO attn	0.88	0.93	0.95	0.96	0.90	0.92	0.97

Avg Attn	0.9218
Attn Level	3

Avg Attn	0.97
Attn Level	3

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 50% of CO attainment level in CA tests + 50% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	3

Direct PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	2.67	1.83	2.00	1.75	2.50	1.67	1.25	2.17	1.00	0	0	2.00	
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	2.67	1.83	2.00	1.75	2.50	1.67	1.25	2.17	1.00	0.00	0.00	2.00	**1.57**

Direct PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.00	2.67	1.67	
Overall(Direct) CO attainment level	3.00	3.00	3.00	
Attainment of PSO for this course	2	2.67	1.67	**2.11**

Mapping of CO with PO and PSO of Design Lab (Paper code: IT891)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	2	1	2	2	3	2	2	-	-
CO2	3	3	2	3	1	1	1	2	2	2	-	-
CO3	3	3	3	3	3	1	1	2	2	1	-	-
CO4	3	3	3	2	3	-	-	1	2	-	-	-
CO5	3	2	2	2	2	-	-	1	2	3	-	-
CO6	3	1	-	-	2	-	-	1	2	2	-	-
AVERAGE	3.00	2.50	2.40	2.40	2.00	1.33	1.33	1.67	2.00	2.00	0	0
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	1	1
CO2	3	1	2
CO3	3	1	2
CO4	3	1	2
CO5	3	2	2
CO6	3	2	-
AVERAGE	3.00	1.33	1.80

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

				ALL PCA's						Univ. Exam	Course Outcome Attainment with target in %						
				PCA1			PCA2										
			Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6								CO Attainment in Univ Exam
			Marks Distribution	10	15	15	15	10	15	60	CO1	CO2	CO3	CO4	CO5	CO6	
			Target Level	80%						80%	80%						
Sl No	Class Roll	Univ Roll	Name														
1	IT2016/034	11700216006	YASH AGARWAL	9	14	14	14	9	14	51	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR	9	14	14	15	10	15	54	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR	9	13	13	14	10	14	48	1	1	1	1	1	1	1
4	IT2016/075	11700216009	UZZWALPREET KAUR	9	14	14	15	10	15	58	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR	10	14	14	14	10	14	54	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR	9	13	13	14	9	14	48	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY	9	13	13	14	9	14	57	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE	10	14	14	14	10	14	51	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY	10	15	15	14	9	14	51	1	1	1	1	1	1	1
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE	9	14	14	14	10	14	57	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS	10	14	14	15	10	15	54	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR	9	13	13	14	9	14	55	1	1	1	1	1	1	1
13	IT2016/020	11700216018	SUDHANSHU KUMAR	9	14	14	14	9	14	51	1	1	1	1	1	1	1
14	IT2016/094	11700216019	SUBHOJEET BHADURI	9	13	13	15	10	15	51	1	1	1	1	1	1	1
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	10	14	14	15	10	15	58	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	10	15	15	14	9	14	51	1	1	1	1	1	1	1
17	IT2016/038	11700216022	SOMA ROY	9	13	13	14	10	14	48	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	9	13	13	15	10	15	48	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI	9	13	13	15	10	15	58	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN	9	13	13	14	10	14	48	1	1	1	1	1	1	1
21	IT2016/065	11700216026	SHREYASH CHAMARIA	9	14	14	14	9	14	54	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	10	14	14	14	9	14	54	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	9	13	13	14	9	14	48	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	10	14	14	14	10	14	51	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	9	13	13	14	9	14	48	1	1	1	1	1	1	1
26	IT2016/046	11700216031	SAYON MOULIK	9	14	14	14	9	14	51	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	9	14	14	14	9	14	48	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	10	15	15	14	9	14	54	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	9	13	13	14	9	14	51	1	1	1	1	1	1	1
30	IT2016/002	11700216035	RONAK BARMAN	10	15	15	14	9	14	51	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	9	14	14	14	9	14	51	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	10	15	15	14	10	14	57	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	9	13	13	14	9	14	54	1	1	1	1	1	1	1
34	IT2016/004	11700216039	RIBHU GHOSH	10	15	15	14	9	14	54	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	9	13	13	15	10	15	48	1	1	1	1	1	1	1

36	IT2016/069	11700216041	RAJARSHI DAS	10	14	14	15	10	15	55	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	10	14	14	15	10	15	54	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	9	14	14	14	10	14	54	1	1	1	1	1	1	1
39	IT2016/011	11700216044	RAHUL BARMAN	10	15	15	14	9	14	54	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	9	14	14	14	9	14	57	1	1	1	1	1	1	1
41	IT2016/092	11700216046	PRIYANKA DAS	10	14	14	15	10	15	54	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	9	14	14	14	10	14	48	1	1	1	1	1	1	1
43	IT2016/093	11700216048	PRITAM MANNA	9	13	13	14	9	14	51	1	1	1	1	1	1	1
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	13	13	14	9	14	45	1	1	1	1	1	1	0
45	IT2016/070	11700216050	PRASENJIT DEY	9	14	14	15	10	15	57	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	10	15	15	14	9	14	51	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	9	14	14	15	10	15	58	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	10	14	14	14	9	14	51	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	13	13	14	9	14	51	1	1	1	1	1	1	1
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	9	13	13	15	10	15	51	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	9	13	13	14	9	14	48	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	9	13	13	15	10	15	57	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	9	14	14	14	9	14	51	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	9	14	14	14	9	14	51	1	1	1	1	1	1	1
55	IT2016/023	11700216061	KUMAR ANUBHAV	9	14	14	14	9	14	54	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	9	14	14	15	10	15	54	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	9	14	14	14	9	14	57	1	1	1	1	1	1	1
58	IT2016/019	11700216064	INDRANI MAITY	10	15	15	14	9	14	51	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	9	14	14	14	10	14	57	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	8	11	11	12	8	12	53	1	0	0	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	10	14	14	14	10	14	51	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	9	14	14	14	9	14	51	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	10	15	15	14	10	14	54	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	9	14	14	14	9	14	57	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	9	14	14	14	10	14	57	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	9	14	14	14	10	14	54	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	9	13	13	14	9	14	48	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	9	13	13	15	10	15	58	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	9	13	13	15	10	15	54	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	10	15	15	14	10	14	57	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	14	14	14	10	14	51	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	9	13	13	15	10	15	51	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	9	14	14	14	10	14	54	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	9	14	14	14	10	14	54	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	9	13	13	15	10	15	54	1	1	1	1	1	1	1
76	IT2016/041	11700216083	ASHISH JAISWAL	9	14	14	14	10	14	57	1	1	1	1	1	1	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	14	14	15	10	15	55	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	10	14	14	15	10	15	54	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	9	13	13	14	9	14	57	1	1	1	1	1	1	1
80	IT2016/054	11700216087	ARIHANT RAJ	10	14	14	15	10	15	57	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	9	14	14	14	10	14	48	1	1	1	1	1	1	1
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	14	14	14	10	14	48	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	9	13	13	14	9	14	48	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	10	15	15	14	9	14	57	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	9	14	14	15	10	15	54	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	9	14	14	14	9	14	51	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	14	14	14	9	14	51	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	9	14	14	15	10	15	51	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	13	13	14	9	14	48	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	10	14	14	14	10	14	57	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	9	13	13	14	9	14	57	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	9	14	14	14	9	14	51	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	9	14	14	15	10	15	48	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	10	14	14	15	10	15	51	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	9	13	13	15	10	15	48	1	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	9	13	13	15	10	15	51	1	1	1	1	1	1	1
97	IT2017/L05	11700217005	DEBALINA MAITI	10	15	15	15	10	15	48	1	1	1	1	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	9	14	14	15	10	15	48	1	1	1	1	1	1	1

1	98	97	97	98	98	98	97
0	0	1	1	0	0	0	1
CO attn	1.00	0.99	0.99	1.00	1.00	1.00	0.99

Avg Attn	1.00
Attn Level	3

Avg Attn	0.99
Attn Level	3

Overall Course Outcome Attainment													
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in PCA + 60% of CO attainment level in ESE(End Semester Exam)													
Direct CO attainment level	3												
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	3.00	2.50	2.40	2.40	2.00	1.33	1.33	1.67	2.00	2.00	0	0	
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3	
Attainment of PO for this course	3.00	2.50	2.40	2.40	2.00	1.33	1.33	1.67	2.00	2.00	0.00	0.00	**1.72**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	3.00	1.33	1.8	
Overall(Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	3.00	1.33	1.80	**2.04**

Mapping of CO with PO and PSO of Project-2 (Paper code: IT892)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	1	2	2	1	1	-	-	-	-	-
CO2	2	2	3	3	3	1	-	-	3	-	-	-
CO3	3	2	2	3	3	-	1	-	3	-	2	2
CO4	2	2	2	2	2	-	-	-	2	2	2	2
CO5	2	-	2	-	2	-	-	2	3	3	3	3
CO6	2	-	2	-	2	-	-	2	3	3	3	3
AVERAGE	2.16	2.00	2.00	2.50	2.33	1.00	1.00	2.00	2.80	2.67	2.50	2.50
Average = Sum/ Number of entries												

Table 2

TABLE 2	PSO1	PSO2	PSO3
CO1	3	1	3
CO2	3	1	3
CO3	2	3	2
CO4	2	3	2
CO5	2	3	-
C06	2	3	-
AVERAGE	2.33	2.33	2.50

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					Internal Continuous Assesment (60)						External Assessment (40)							
				Course Outcomes	Continuous Assesment-1 (30)			Continuous Assesment-2 (30)				Course Outcome Attainment with target in %						
				Marks Distribution	CO1	CO2	CO3	CO4	CO5	CO6								
					10	10	10	10	10	10	40	CO1	CO2	CO3	CO4	CO5	CO6	CO Attainment in Univ Exam
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%	80%						
1	IT2016/034	11700216006	YASH AGARWAL		10	10	10	9	9	10	37	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		8	8	9	8	8	9	35	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		8	8	9	7	7	8	28	1	1	1	0	0	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		8	8	9	9	9	9	33	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		9	8	9	8	9	8	34	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		8	8	9	8	9	9	34	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		9	8	10	8	9	8	33	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		9	8	9	9	9	9	32	1	1	1	1	1	1	1
9	IT2016/028	11700216014	SWARNALI ROY		9	9	10	9	9	8	31	1	1	1	1	1	1	0
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE		8	8	9	9	9	8	34	1	1	1	1	1	1	1
11	IT2016/013	11700216016	SUSTHIT BISWAS		9	9	10	8	9	9	35	1	1	1	1	1	1	1
12	IT2016/026	11700216017	SUPRIYANTA PODDAR		8	8	9	8	7	7	28	1	1	1	1	0	0	0
13	IT2016/020	11700216018	SUDHANSHU KUMAR		9	9	10	8	9	9	31	1	1	1	1	1	1	0
14	IT2016/094	11700216019	SUBHOJEET BHADURI		8	8	9	9	9	9	33	1	1	1	1	1	1	1

15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR	10	9	10	9	10	10	37	1	1	1	1	1	1	1
16	IT2016/057	11700216021	SREJITA SAHA	9	9	10	9	8	9	31	1	1	1	1	1	1	0
17	IT2016/038	11700216022	SOMA ROY	9	8	10	8	9	8	33	1	1	1	1	1	1	1
18	IT2016/058	11700216023	SK MD FARUK	8	8	9	9	9	8	34	1	1	1	1	1	1	1
19	IT2016/014	11700216024	SIDDHANT SAHANI	8	9	9	8	8	8	35	1	1	1	1	1	1	1
20	IT2016/031	11700216025	SHUBHA GAYEN	7	7	9	8	8	7	29	0	0	1	1	1	0	0
21	IT2016/065	11700216026	SHREYASH CHAMARIA	9	9	10	10	10	10	37	1	1	1	1	1	1	1
22	IT2016/049	11700216027	SHREYA VATS	10	9	10	10	10	9	37	1	1	1	1	1	1	1
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN	8	8	10	9	8	8	34	1	1	1	1	1	1	1
24	IT2016/021	11700216029	SHASHANK ROY	10	10	10	9	10	9	37	1	1	1	1	1	1	1
25	IT2016/053	11700216030	SHAHZEB AKHTAR	7	8	9	7	7	8	29	0	1	1	0	0	1	0
26	IT2016/046	11700216031	SAYON MOULIK	10	10	10	9	9	9	36	1	1	1	1	1	1	1
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE	8	8	9	8	8	8	36	1	1	1	1	1	1	1
28	IT2016/029	11700216033	SANANDA PODDER	9	9	9	8	8	9	33	1	1	1	1	1	1	1
29	IT2016/030	11700216034	SAMRAT HALDER	8	8	9	7	8	8	27	1	1	1	0	1	1	0
30	IT2016/002	11700216035	RONAK BARMAN	10	10	10	9	10	10	36	1	1	1	1	1	1	1
31	IT2016/036	11700216036	ROHIT SINGH	9	9	9	8	8	8	34	1	1	1	1	1	1	1
32	IT2016/048	11700216037	RITWIKA BANERJEE	10	10	10	9	10	9	37	1	1	1	1	1	1	1
33	IT2016/083	11700216038	RITTIKA PAUL	9	9	10	8	9	9	31	1	1	1	1	1	1	0
34	IT2016/004	11700216039	RIBHU GHOSH	10	10	10	9	9	9	38	1	1	1	1	1	1	1
35	IT2016/067	11700216040	RAVI SHANKAR	8	8	9	9	8	9	34	1	1	1	1	1	1	1
36	IT2016/069	11700216041	RAJARSHI DAS	10	10	10	10	9	9	37	1	1	1	1	1	1	1
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR	9	9	10	10	9	10	38	1	1	1	1	1	1	1
38	IT2016/042	11700216043	RAHUL KARMAKAR	7	7	9	7	7	8	30	0	0	1	0	0	1	0
39	IT2016/011	11700216044	RAHUL BARMAN	8	8	10	9	8	8	34	1	1	1	1	1	1	1
40	IT2016/077	11700216045	PUSPITA DAS	8	9	10	9	9	9	31	1	1	1	1	1	1	0
41	IT2016/092	11700216046	PRIYANKA DAS	8	8	9	9	8	9	34	1	1	1	1	1	1	1
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE	7	8	8	8	7	8	29	0	1	1	1	0	1	0
43	IT2016/093	11700216048	PRITAM MANNA	9	9	9	9	9	9	31	1	1	1	1	1	1	0
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA	9	9	10	9	8	8	32	1	1	1	1	1	1	1
45	IT2016/070	11700216050	PRASENJIT DEY	9	10	10	10	9	10	37	1	1	1	1	1	1	1
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH	9	9	9	9	9	8	32	1	1	1	1	1	1	1
47	IT2016/010	11700216052	PIYUSH KUMAR	8	9	10	9	8	8	33	1	1	1	1	1	1	1
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE	9	9	9	9	8	8	33	1	1	1	1	1	1	1
49	IT2016/085	11700216054	PAROMITA PODDAR	9	8	10	9	9	9	31	1	1	1	1	1	1	0
50	IT2016/080	11700216055	NUSHRAT HUSSAIN	8	9	10	8	9	8	33	1	1	1	1	1	1	1
51	IT2016/062	11700216056	MD MUZAMMIL	9	9	9	9	8	9	32	1	1	1	1	1	1	1
52	IT2016/066	11700216058	LAKHAN KUMAR	8	8	10	8	9	9	33	1	1	1	1	1	1	1
53	IT2016/008	11700216059	KUNAL THAKUR	8	8	9	8	8	8	36	1	1	1	1	1	1	1
54	IT2016/045	11700216060	KUMARI RIYA	9	8	10	9	9	9	31	1	1	1	1	1	1	0
55	IT2016/023	11700216061	KUMAR ANUBHAV	9	8	9	8	8	8	35	1	1	1	1	1	1	1
56	IT2016/076	11700216062	KUMAR ADITYA	8	8	10	9	9	9	32	1	1	1	1	1	1	1
57	IT2016/073	11700216063	KAVERI SAHA	9	9	10	9	8	9	31	1	1	1	1	1	1	0
58	IT2016/019	11700216064	INDRANI MAITY	8	8	10	9	8	9	33	1	1	1	1	1	1	1
59	IT2016/007	11700216065	HOZAIFA WAHID	10	9	10	10	10	10	39	1	1	1	1	1	1	1
60	IT2016/079	11700216066	HIMANSHU SHARAN	8	8	9	9	8	8	35	1	1	1	1	1	1	1
61	IT2016/018	11700216067	HIMANSHU JAISWAL	9	8	9	9	9	8	33	1	1	1	1	1	1	1
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL	8	9	10	9	9	8	32	1	1	1	1	1	1	1
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA	9	10	10	10	10	10	39	1	1	1	1	1	1	1
64	IT2016/088	11700216070	ESHA GUPTA	8	8	9	9	8	9	34	1	1	1	1	1	1	1
65	IT2016/089	11700216071	DIPANJAN RAY	8	8	9	9	8	8	35	1	1	1	1	1	1	1
66	IT2016/043	11700216072	DEVESH DUGAR	9	8	10	8	9	8	33	1	1	1	1	1	1	1
67	IT2016/060	11700216073	DAMINI KUMARI	9	9	10	8	8	8	33	1	1	1	1	1	1	1
68	IT2016/015	11700216075	BITTU KUMAR	9	9	9	8	9	8	33	1	1	1	1	1	1	1
69	IT2016/040	11700216076	BIKRAM MITRA	9	8	9	9	9	8	33	1	1	1	1	1	1	1
70	IT2016/009	11700216077	BIDISHA MONDAL	9	10	10	10	10	10	38	1	1	1	1	1	1	1
71	IT2016/095	11700216078	AYUSH PARWAL	9	9	10	8	8	8	33	1	1	1	1	1	1	1
72	IT2016/064	11700216079	AVINASH KUMAR SINGH	8	9	9	9	9	9	32	1	1	1	1	1	1	1
73	IT2016/090	11700216080	AVIK DATTA	10	10	9	9	10	9	37	1	1	1	1	1	1	1
74	IT2016/016	11700216081	AVIJIT DAS	10	9	10	9	10	10	38	1	1	1	1	1	1	1
75	IT2016/032	11700216082	ATANU GHARA	8	7	8	8	8	8	28	1	0	1	1	1	1	0
76	IT2016/041	11700216083	ASHISH JAISWAL	7	7	8	7	7	7	32	0	0	1	0	0	0	1
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI	10	9	10	10	9	10	37	1	1	1	1	1	1	1
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY	9	9	10	8	10	9	34	1	1	1	1	1	1	1
79	IT2016/017	11700216086	ARNAB DAS	7	7	8	8	8	8	29	0	0	1	1	1	1	0
80	IT2016/054	11700216087	ARIHANT RAJ	9	9	9	9	8	9	32	1	1	1	1	1	1	1
81	IT2016/001	11700216088	ARGHYA MRIDHA	7	7	8	7	7	7	22	0	0	1	0	0	0	0
82	IT2016/033	11700216089	ARGHADEEP MONDAL	9	9	10	8	8	8	33	1	1	1	1	1	1	1
83	IT2016/091	11700216091	ANWESHA SAHA	9	10	10	9	10	9	38	1	1	1	1	1	1	1
84	IT2016/012	11700216092	ANUMITA SAHA	9	8	9	9	9	9	32	1	1	1	1	1	1	1
85	IT2016/072	11700216093	ANSHUMAN BAKSHI	9	9	10	8	8	9	32	1	1	1	1	1	1	1
86	IT2016/084	11700216094	ANKITA SAHA	8	8	10	9	8	8	34	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	9	9	10	9	10	9	39	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	9	9	9	8	9	8	33	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	9	8	10	9	9	8	32	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	10	10	10	9	9	9	38	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	10	10	10	10	9	9	37	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	10	9	10	10	10	10	36	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	7	8	8	7	8	8	29	0	1	1	0	1	1	0
94	IT2017/L06	11700217002	SNEHA YADAV	9	8	9	9	8	8	34	1	1	1	1	1	1	1

95	IT2017/L03	11700217003	RUMELI BANERJEE	8	8	8	8	7	7	29	1	1	1	1	0	0	0
96	IT2017/L02	11700217004	DEBJIT BHATTA	8	7	9	7	8	8	28	1	0	1	0	1	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	8	7	8	7	7	7	31	1	0	1	0	0	0	0
98	IT2017/L04	11700217006	ANWESHA DEY	9	9	10	9	9	9	30	1	1	1	1	1	1	0

1	90	90	98	89	89	92	74
0	8	8	0	9	9	6	24
CO attn	0.92	0.92	1.00	0.91	0.91	0.94	0.76

Avg Attn	0.932
Attn Lvl	3

Avg Attn	0.755102
Attn Lvl	2

Overall Course Outcome Attainment

The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 40% of CO attainment level in internal continuous assessment + 60% of CO attainment level in ESE(End Semester Exam)

Direct CO attainment level	2.6

PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Avg values from table 1	2.16	2.00	2.00	2.50	2.33	1.00	1.00	2.00	2.80	2.67	2.50	2.50	
Overall(Direct) CO attainment level	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
Attainment of PO for this course	1.87	1.73	1.73	2.17	2.02	0.87	0.87	1.73	2.43	2.31	2.17	2.17	**1.84**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3

	PSO1	PSO2	PSO3	
Avg values from table 2	2.33	2.33	2.5	
Overall(Direct) CO attainment level	2.6	2.6	2.6	
Attainment of PSO for this course	2.02	2.02	2.17	**2.07**

Mapping of CO with PO and PSO of Grand Viva (Paper code: IT893)

Enter correlation levels 1, 2 or 3 as defined below :
1 : Slight(Low) 2 : Moderate(Medium) 3 : Substantial(High) If there is no correlation, put " '- " (enter single quote followed by single dash only)

Table 1

TABLE 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	-	2	-	2	-	-	2	2	3
CO2	2	3	-	2	-	-	-	-	-	-	-	-
CO3	2	2	2	-	-	-	-	-	-	-	2	2
CO4	2	-	-	-	-	-	-	-	-	3	-	-
CO5	-	2	1	-	-	-	-	-	-	-	-	-
CO6	2	-	2	2	-	-	-	-	-	-	2	2
AVERAGE	2.20	2.25	1.75	2.00	2.00	0	2.00	0	0	2.50	2.00	2.33
Average =sum/ number of entry												

Table 2

TABLE 2	PSO1	PSO2	PSO2
CO1	3	2	2
CO2	-	3	-
CO3	3	-	2
CO4	-	-	
CO5	-	2	
CO6	2	-	
AVERAGE	2.67	2.33	2.00

Attainment Level 1: 60% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 2: 70% of students score more than Target marks out of the maximum relevant marks.
Attainment Level 3: 80% of students score more than Target marks out of the maximum relevant marks.

Percentage of Students Attaining Course Outcomes(COs) and Attainment Level

					Continuous Assessment(100)													
				Course Outcomes	CO1	CO2	CO3	CO4	CO5	CO6	Course Outcome Attainment with target in %						CO Average Attainment
				Marks Distribution	20	20	20	10	15	15	CO1	CO2	CO3	CO4	CO5	CO6	
Sl No	Class Roll	Univ Roll	Name	Target Level	80%						80%						
1	IT2016/034	11700216006	YASH AGARWAL		19	18	19	9	14	13	1	1	1	1	1	1	1
2	IT2016/071	11700216007	VIVEK KUMAR		19	18	19	9	14	14	1	1	1	1	1	1	1
3	IT2016/027	11700216008	VISHWADHWAJ KUMAR		15	15	15	7	12	11	0	0	0	0	1	1	0
4	IT2016/075	11700216009	UZZWALPREET KAUR		19	18	19	9	14	14	1	1	1	1	1	1	1
5	IT2016/047	11700216010	TURNISHA SARKAR		17	16	17	8	13	13	1	1	1	1	1	1	1
6	IT2016/037	11700216011	TIASHA SARKAR		16	16	16	8	12	12	1	1	1	1	1	1	1
7	IT2016/086	11700216012	TAMOGHNA CHOWDHURY		18	17	18	8	14	14	1	1	1	1	1	1	1
8	IT2016/081	11700216013	SWETA BOSE		17	17	17	8	13	13	1	1	1	1	1	1	1

9	IT2016/028	11700216014	SWARNALI ROY
10	IT2016/087	11700216015	SUVRAJIT MUKHERJEE
11	IT2016/013	11700216016	SUSTHIT BISWAS
12	IT2016/026	11700216017	SUPRIYANTA PODDAR
13	IT2016/020	11700216018	SUDHANSHU KUMAR
14	IT2016/094	11700216019	SUBHOJEET BHADURI
15	IT2016/003	11700216020	SUBHAJIT MAJUMDAR
16	IT2016/057	11700216021	SREJITA SAHA
17	IT2016/038	11700216022	SOMA ROY
18	IT2016/058	11700216023	SK MD FARUK
19	IT2016/014	11700216024	SIDDHANT SAHANI
20	IT2016/031	11700216025	SHUBHA GAYEN
21	IT2016/065	11700216026	SHREYASH CHAMARIA
22	IT2016/049	11700216027	SHREYA VATS
23	IT2016/052	11700216028	SHIWAM KUMAR SUMAN
24	IT2016/021	11700216029	SHASHANK ROY
25	IT2016/053	11700216030	SHAHZEB AKHTAR
26	IT2016/046	11700216031	SAYON MOULIK
27	IT2016/078	11700216032	SAYANTAN CHATTERJEE
28	IT2016/029	11700216033	SANANDA PODDER
29	IT2016/030	11700216034	SAMRAT HALDER
30	IT2016/002	11700216035	RONAK BARMAN
31	IT2016/036	11700216036	ROHIT SINGH
32	IT2016/048	11700216037	RITWIKA BANERJEE
33	IT2016/083	11700216038	RITTIKA PAUL
34	IT2016/004	11700216039	RIBHU GHOSH
35	IT2016/067	11700216040	RAVI SHANKAR
36	IT2016/069	11700216041	RAJARSHI DAS
37	IT2016/055	11700216042	RAHUL KUMAR THAKUR
38	IT2016/042	11700216043	RAHUL KARMAKAR
39	IT2016/011	11700216044	RAHUL BARMAN
40	IT2016/077	11700216045	PUSPITA DAS
41	IT2016/092	11700216046	PRIYANKA DAS
42	IT2016/024	11700216047	PRITHWIRAJ MUKHERJEE
43	IT2016/093	11700216048	PRITAM MANNA
44	IT2016/059	11700216049	PRAVEEN KUMAR SHARMA
45	IT2016/070	11700216050	PRASENJIT DEY
46	IT2016/025	11700216051	PRAKASH KUMAR SINGH
47	IT2016/010	11700216052	PIYUSH KUMAR
48	IT2016/022	11700216053	PARTHAJIT MUKHERJEE
49	IT2016/085	11700216054	PAROMITA PODDAR
50	IT2016/080	11700216055	NUSHRAT HUSSAIN
51	IT2016/062	11700216056	MD MUZAMMIL
52	IT2016/066	11700216058	LAKHAN KUMAR
53	IT2016/008	11700216059	KUNAL THAKUR
54	IT2016/045	11700216060	KUMARI RIYA
55	IT2016/023	11700216061	KUMAR ANUBHAV
56	IT2016/076	11700216062	KUMAR ADITYA
57	IT2016/073	11700216063	KAVERI SAHA
58	IT2016/019	11700216064	INDRANI MAITY
59	IT2016/007	11700216065	HOZAIFA WAHID
60	IT2016/079	11700216066	HIMANSHU SHARAN
61	IT2016/018	11700216067	HIMANSHU JAISWAL
62	IT2016/035	11700216068	HEMANT KUMAR AGARWAL
63	IT2016/006	11700216069	HARSHIT ANAND GUPTA
64	IT2016/088	11700216070	ESHA GUPTA
65	IT2016/089	11700216071	DIPANJAN RAY
66	IT2016/043	11700216072	DEVESH DUGAR
67	IT2016/060	11700216073	DAMINI KUMARI
68	IT2016/015	11700216075	BITTU KUMAR
69	IT2016/040	11700216076	BIKRAM MITRA
70	IT2016/009	11700216077	BIDISHA MONDAL
71	IT2016/095	11700216078	AYUSH PARWAL
72	IT2016/064	11700216079	AVINASH KUMAR SINGH
73	IT2016/090	11700216080	AVIK DATTA
74	IT2016/016	11700216081	AVIJIT DAS
75	IT2016/032	11700216082	ATANU GHARA
76	IT2016/041	11700216083	ASHISH JAISWAL
77	IT2016/063	11700216084	ARUNAVA CHAUDHURI
78	IT2016/082	11700216085	ARPITA ROY CHOWDHURY
79	IT2016/017	11700216086	ARNAB DAS
80	IT2016/054	11700216087	ARIHANT RAJ
81	IT2016/001	11700216088	ARGHYA MRIDHA
82	IT2016/033	11700216089	ARGHADEEP MONDAL
83	IT2016/091	11700216091	ANWESHA SAHA
84	IT2016/012	11700216092	ANUMITA SAHA
85	IT2016/072	11700216093	ANSHUMAN BAKSHI

18	17	18	8	14	13	1	1	1	1	1	1	1
18	17	18	8	14	13	1	1	1	1	1	1	1
20	19	20	9	15	13	1	1	1	1	1	1	1
17	17	17	8	13	13	1	1	1	1	1	1	1
18	17	18	8	14	12	1	1	1	1	1	1	1
17	16	17	8	13	13	1	1	1	1	1	1	1
17	16	17	8	13	12	1	1	1	1	1	1	1
18	17	18	8	14	12	1	1	1	1	1	1	1
17	16	17	8	13	10	1	1	1	1	1	1	1
20	19	20	9	15	13	1	1	1	1	1	1	1
17	16	17	8	13	10	1	1	1	1	1	1	1
15	15	15	7	12	11	0	0	0	0	1	1	0
17	16	17	8	13	13	1	1	1	1	1	1	1
19	18	19	9	14	14	1	1	1	1	1	1	1
19	18	19	9	15	14	1	1	1	1	1	1	1
20	19	20	9	15	13	1	1	1	1	1	1	1
18	17	18	8	14	14	1	1	1	1	1	1	1
20	19	20	9	15	13	1	1	1	1	1	1	1
19	18	19	9	14	14	1	1	1	1	1	1	1
18	18	18	9	14	13	1	1	1	1	1	1	1
14	14	14	7	11	10	0	0	0	0	0	1	0
20	19	20	9	15	13	1	1	1	1	1	1	1
19	18	19	9	14	12	1	1	1	1	1	1	1
19	18	19	9	15	14	1	1	1	1	1	1	1
18	17	18	8	14	13	1	1	1	1	1	1	1
18	17	18	8	14	14	1	1	1	1	1	1	1
19	18	19	9	14	14	1	1	1	1	1	1	1
20	19	20	9	15	13	1	1	1	1	1	1	1
19	18	19	9	14	12	1	1	1	1	1	1	1
20	19	20	9	15	13	1	1	1	1	1	1	1
17	16	17	8	13	10	1	1	1	1	1	1	1
19	18	19	9	15	14	1	1	1	1	1	1	1
19	18	19	9	14	12	1	1	1	1	1	1	1
15	14	15	7	11	10	0	0	0	0	0	1	0
17	17	17	8	13	13	1	1	1	1	1	1	1
18	17	18	8	13	12	1	1	1	1	1	1	1
19	18	19	9	14	13	1	1	1	1	1	1	1
18	17	18	8	13	12	1	1	1	1	1	1	1
17	16	17	8	13	13	1	1	1	1	1	1	1
17	16	17	8	13	12	1	1	1	1	1	1	1
17	16	17	8	13	10	1	1	1	1	1	1	1
19	18	19	9	15	14	1	1	1	1	1	1	1
18	18	18	9	14	13	1	1	1	1	1	1	1
19	18	19	9	14	14	1	1	1	1	1	1	1
17	17	17	8	13	13	1	1	1	1	1	1	1
15	14	15	7	11	11	0	0	0	0	0	1	0
18	17	18	8	14	13	1	1	1	1	1	1	1
17	16	17	8	13	10	1	1	1	1	1	1	1
15	14	15	7	11	9	0	0	0	0	0	1	0
20	19	20	9	15	14	1	1	1	1	1	1	1
18	18	18	9	14	13	1	1	1	1	1	1	1
18	17	18	8	14	14	1	1	1	1	1	1	1
16	15	16	7	12	10	1	0	1	0	1	1	1
18	18	18	9	14	13	1	1	1	1	1	1	1
19	19	19	9	15	14	1	1	1	1	1	1	1
20	19	20	9	15	14	1	1	1	1	1	1	1
20	19	20	9	15	16	1	1	1	1	1	1	1
19	18	19	9	15	14	1	1	1	1	1	1	1
18	17	18	8	14	12	1	1	1	1	1	1	1
17	16	17	8	13	12	1	1	1	1	1	1	1
19	18	19	9	14	12	1	1	1	1	1	1	1
17	16	17	8	13	13	1	1	1	1	1	1	1
17	16	17	8	13	12	1	1	1	1	1	1	1
18	17	18	8	14	12	1	1	1	1	1	1	1
19	18	19	9	15	14	1	1	1	1	1	1	1
16	15	16	7	12	12	1	0	1	0	1	1	1
14	14	14	7	11	10	0	0	0	0	0	1	0
14	14	14	7	11	10	0	0	0	0	0	1	0
20	19	20	9	15	16	1	1	1	1	1	1	1
18	17	18	8	14	14	1	1	1	1	1	1	1
18	17	18	8	13	12	1	1	1	1	1	1	1
19	18	19	9	15	14	1	1	1	1	1	1	1
16	15	16	7	12	12	1	0	1	0	1	1	1
17	17	17	8	13	13	1	1	1	1	1	1	1
17	17	17	8	13	13	1	1	1	1	1	1	1
15	14	15	7	12	11	0	0	0	0	1	1	0
17	16	17	8	13	13	1	1	1	1	1	1	1

86	IT2016/084	11700216094	ANKITA SAHA	18	18	18	9	14	13	1	1	1	1	1	1	1
87	IT2016/068	11700216095	ANKITA DATTA	18	17	18	8	14	12	1	1	1	1	1	1	1
88	IT2016/074	11700216096	AMIT KUMAR	17	16	17	8	13	12	1	1	1	1	1	1	1
89	IT2016/051	11700216097	AMAN KUMAR	18	17	18	8	14	12	1	1	1	1	1	1	1
90	IT2016/044	11700216098	AMAN JAISWAL	18	18	18	9	14	13	1	1	1	1	1	1	1
91	IT2016/061	11700216099	AGNIBHO HOM CHOWDHURY	18	17	18	8	14	13	1	1	1	1	1	1	1
92	IT2016/039	11700216100	ABISHEK KUMAR MONDAL	18	17	18	8	14	13	1	1	1	1	1	1	1
93	IT2017/L01	11700217001	SUTANUKA DAS	17	16	17	8	13	12	1	1	1	1	1	1	1
94	IT2017/L06	11700217002	SNEHA YADAV	18	18	18	9	14	13	1	1	1	1	1	1	1
95	IT2017/L03	11700217003	RUMELI BANERJEE	16	16	16	8	12	12	1	1	1	1	1	1	1
96	IT2017/L02	11700217004	DEBJIT BHATTA	14	14	14	7	11	10	0	0	0	0	0	1	0
97	IT2017/L05	11700217005	DEBALINA MAITI	16	15	16	7	12	11	1	0	1	0	1	1	1
98	IT2017/L04	11700217006	ANWESHA DEY	18	17	18	8	14	12	1	1	1	1	1	1	1

1	88	84	88	84	91	98
0	10	14	10	14	7	0
CO attn	0.90	0.86	0.90	0.86	0.93	1.00

Avg Attn	0.91
Attn Level	3

Overall (Direct)Course Outcome Attainment												
The overall CO attainment level in the course considered is then computed as Direct CO attainment level = 100% of CO attainment level in ESE(End Semester Exam)												
Direct CO attainment level	3											
PO attainment value = (Corresponding cell value from Table 1 x Overall CO attainment level for the course)/3												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Avg values from table 1	2.20	2.25	1.75	2.00	2.00	0	2.00	0	0	2.50	2.00	2.33
Overall(Direct) CO attainment level	3	3	3	3	3	3	3	3	3	3	3	3
Attainment of PO for this course	2.20	2.25	1.75	2.00	2.00	0.00	2.00	0.00	0.00	2.50	2.00	2.33	**1.59**

PSO attainment value = (Corresponding cell value from Table 2 x Overall CO attainment level for the course)/3				
	PSO1	PSO2	PSO3	
Avg values from table 2	2.67	2.33	2	
Overall(Direct) CO attainment level	3	3	3	
Attainment of PSO for this course	2.67	2.33	2.00	**2.33**

Annexure: Indirect Assessment

Department of Information Technology, RCC Institute of Information Technology, Kolkata

B. Tech. (IT): 2016 - 2020. **Survey Summary**

Indirect attainment of POs & PSOs for B. Tech. (IT) - [Batch: 2016 - 2020]

Survey category	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Program Exit Survey (40%)	1.43	1.82	2.18	1.82	2.18	1.82	1.44	2.18	2.18	1.23	1.44	1.82	2.24	1.58	2.17
Alumni Survey (30%)	1.52	1.93	2.27	1.93	2.27	1.93	1.52	2.23	2.27	1.26	1.52	1.93	2.34	1.55	2.12
Employer Survey (30%)	1.61	1.92	2.38	2.00	2.38	1.92	1.61	2.23	2.38	1.23	1.46	1.92	2.44	1.35	2.02
Total indirect attainment	**1.51**	**1.88**	**2.27**	**1.91**	**2.27**	**1.88**	**1.52**	**2.21**	**2.27**	**1.24**	**1.47**	**1.88**	**2.33**	**1.50**	**2.11**

Department of Information Technology, RCC Institute of Information Technology, Kolkata

B. Tech. (IT): 2016 - 2020. **Program Exit Survey**

Name	University Roll Number	How do you rate your ability to apply engineering knowledge in finding solutions to complex engineering problems?(PO1)	How do you rate your skills in problem analysis?(PO2)	How do you rate your proficiency in the design and development of solutions for complex engineering problems?(PO3)	How do you rate your competency in knowledge acquired to conduct research based investigations for complex problems?(PO4)	How do you rate your ability to learn and use modern engineering and IT tools?(PO5)	How do you rate your reasoning ability to assess the societal problems as an engineer?(PO6)	How do you rate your ability to comprehend the impact of engineering solutions on environment and sustainability?(PO7)	How do you rate your commitment to professional ethics and moral values?(PO8)	How do you rate your capacity to function as a team member or leader in multidisciplinary projects?(PO9)	How do you rate your oral and written communication skills?(PO10)	How do you rate your skills pertaining to project management?(PO11)	How do you rate your preparedness for lifelong learning?(PO12)	How do you able to apply skills on the basis of mathematical and programming foundations in the development of computational solutions to design software and hardware.(PSO1)	How well you can work in interdisciplinary environment to conduct Research and development of a product (PSO2)	How well you have learn new technologies for effectively using them in your future endeavors (PSO3)
ARGHYA MRIDHA	11700216088	2	2	3	2	3	2	2	3	3	1	2	2	3	1	3
RONAK BARMAN	11700216035	1	3	3	3	3	3	1	3	3	1	1	3	3	1	3
SUBHAJIT MAJUMDAR	11700216020	1	1	2	1	2	1	1	2	2	1	1	1	2	1	2
RIBHU GHOSH	11700216039	1	3	3	3	3	3	1	3	3	1	1	3	3	1	3

Department of Information Technology, RCC Institute of Information Technology, Kolkata

B. Tech. (IT): 2016 - 2020. **Program Exit Survey**

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CHINMOY MAJUMDER	11700216074	3	3	3	3	3	3	3	3	3	1	3	3	3	1	3
HARSHIT ANAND GUPTA	11700216069	2	2	3	2	3	2	2	3	3	1	2	2	3	1	3
HOZAIFA WAHID	11700216065	2	2	3	2	3	2	2	3	3	1	2	2	3	1	3
KUNAL THAKUR	11700216059	1	1	2	1	2	1	1	2	2	1	1	1	2	2	2

Department of Information Technology, RCC Institute of Information Technology, Kolkata

B. Tech. (IT): 2016 - 2020. **Program Exit Survey**

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BIDISHA MONDAL	11700216077	1	1	2	1	2	1	1	2	2	1	1	1	2	1	2
PIYUSH KUMAR	11700216052	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
RAHUL BARMAN	11700216044	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
ANUMITA SAHA	11700216092	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
SUSTHIT BISWAS	11700216016	2	3	3	3	3	3	2	3	3	2	2	3	3	1	3

Department of Information Technology, RCC Institute of Information Technology, Kolkata

B. Tech. (IT): 2016 - 2020. **Program Exit Survey**

Name	University Roll Number	How do you rate your ability to apply engineering knowledge in finding solutions to complex engineering problems?(PO1)	How do you rate your skills in problem analysis?(PO2)	How do you rate your proficiency in the design and development of solutions for complex engineering problems?(PO3)	How do you rate your competency in knowledge acquired to conduct research based investigations for complex problems?(PO4)	How do you rate your ability to learn and use modern engineering and IT tools?(PO5)	How do you rate your reasoning ability to assess the societal problems as an engineer?(PO6)	How do you rate your ability to comprehend the impact of engineering solutions on environment and sustainability?(PO7)	How do you rate your commitment to professional ethics and moral values?(PO8)	How do you rate your capacity to function as a team member or leader in multidisciplinary projects?(PO9)	How do you rate your oral and written communication skills?(PO10)	How do you rate your skills pertaining to project management?(PO11)	How do you rate your preparedness for lifelong learning?(PO12)	How do you able to apply skills on the basis of mathematical and programming foundations in the development of computational solutions to design software and hardware.(PSO1)	How well you can work in interdisciplinary environment to conduct Research and development of a product (PSO2)	How well you have learn new technologies for effectively using them in your future endeavors (PSO3)
SIDDHANT SAHANI	11700216024	1	1	2	1	2	1	1	2	2	1	1	1	2	2	2
BITTU KUMAR	11700216075	2	3	3	3	3	3	2	3	3	2	2	3	3	2	3
AVIJIT DAS	11700216081	2	3	3	3	3	3	2	3	3	2	2	3	3	2	3
ARNAB DAS	11700216086	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
HIMANSHU JAISWAL	11700216067	1	2	2	2	2	2	1	2	2	1	1	2	2	2	2

Department of Information Technology, RCC Institute of Information Technology, Kolkata

B. Tech. (IT): 2016 - 2020. **Program Exit Survey**

Name	University Roll Number	How do you rate your ability to apply engineering knowledge in finding solutions to complex engineering problems?(PO1)	How do you rate your skills in problem analysis?(PO2)	How do you rate your proficiency in the design and development of solutions for complex engineering problems?(PO3)	How do you rate your competency in knowledge acquired to conduct research based investigations for complex problems?(PO4)	How do you rate your ability to learn and use modern engineering and IT tools?(PO5)	How do you rate your reasoning ability to assess the societal problems as an engineer?(PO6)	How do you rate your ability to comprehend the impact of engineering solutions on environment and sustainability?(PO7)	How do you rate your commitment to professional ethics and moral values?(PO8)	How do you rate your capacity to function as a team member or leader in multidisciplinary projects?(PO9)	How do you rate your oral and written communication skills?(PO10)	How do you rate your skills pertaining to project management?(PO11)	How do you rate your preparedness for lifelong learning?(PO12)	How do you able to apply skills on the basis of mathematical and programming foundations in the development of computational solutions to design software and hardware.(PSO1)	How well you can work in interdisciplinary environment to conduct Research and development of a product (PSO2)	How well you have learn new technologies for effectively using them in your future endeavors (PSO3)
INDRANI MAITY	11700216064	1	1	2	1	2	1	1	2	2	1	1	1	2	1	2
SUDHANSHU KUMAR	11700216018	1	1	2	1	2	1	1	2	2	1	1	1	2	1	2
SHASHANK ROY	11700216029	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
PARTHAJIT MUKHERJEE	11700216053	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2

Department of Information Technology, RCC Institute of Information Technology, Kolkata

B. Tech. (IT): 2016 - 2020. **Program Exit Survey**

Name	University Roll Number	How do you rate your ability to apply engineering knowledge in finding solutions to complex engineering problems?(PO1)	How do you rate your skills in problem analysis?(PO2)	How do you rate your proficiency in the design and development of solutions for complex engineering problems?(PO3)	How do you rate your competency in knowledge acquired to conduct research based investigations for complex problems?(PO4)	How do you rate your ability to learn and use modern engineering and IT tools?(PO5)	How do you rate your reasoning ability to assess the societal problems as an engineer?(PO6)	How do you rate your ability to comprehend the impact of engineering solutions on environment and sustainability?(PO7)	How do you rate your commitment to professional ethics and moral values?(PO8)	How do you rate your capacity to function as a team member or leader in multidisciplinary projects?(PO9)	How do you rate your oral and written communication skills?(PO10)	How do you rate your skills pertaining to project management?(PO11)	How do you rate your preparedness for lifelong learning?(PO12)	How do you able to apply skills on the basis of mathematical and programming foundations in the development of computational solutions to design software and hardware.(PSO1)	How well you can work in interdisciplinary environment to conduct Research and development of a product (PSO2)	How well you have learn new technologies for effectively using them in your future endeavors (PSO3)
KUMAR ANUBHAV	11700216061	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PRITHWIRAJ MUKHERJEE	11700216047	3	3	3	3	3	3	3	3	3	1	3	3	3	2	3
PRAKASH KUMAR SINGH	11700216051	1	1	2	1	2	1	1	2	2	1	1	1	2	2	2

Department of Information Technology, RCC Institute of Information Technology, Kolkata

B. Tech. (IT): 2016 - 2020. **Program Exit Survey**

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SUPRIYANTA PODDAR	11700216017	1	3	3	3	3	3	1	3	3	1	1	3	3	1	3
VISHWADHWAJ KUMAR	11700216008	1	3	3	3	3	3	1	3	3	1	1	3	3	1	3
SWARNALI ROY	11700216014	1	2	2	2	2	2	1	2	2	1	1	2	2	1	2
SANANDA PODDER	11700216033	1	2	2	2	2	2	1	2	2	1	1	2	2	1	2

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B. Tech. (IT): 2016 - 2020. **Program Exit Survey**

Name	University Roll Number	How do you rate your ability to apply engineering knowledge in finding solutions to complex engineering problems?(PO1)	How do you rate your skills in problem analysis?(PO2)	How do you rate your proficiency in the design and development of solutions for complex engineering problems?(PO3)	How do you rate your competency in knowledge acquired to conduct research based investigations for complex problems?(PO4)	How do you rate your ability to learn and use modern engineering and IT tools?(PO5)	How do you rate your reasoning ability to assess the societal problems as an engineer?(PO6)	How do you rate your ability to comprehend the impact of engineering solutions on environment and sustainability?(PO7)	How do you rate your commitment to professional ethics and moral values?(PO8)	How do you rate your capacity to function as a team member or leader in multidisciplinary projects?(PO9)	How do you rate your oral and written communication skills?(PO10)	How do you rate your skills pertaining to project management?(PO11)	How do you rate your preparedness for lifelong learning?(PO12)	How do you able to apply skills on the basis of mathematical and programming foundations in the development of computational solutions to design software and hardware.(PSO1)	How well you can work in interdisciplinary environment to conduct Research and development of a product (PSO2)	How well you have learn new technologies for effectively using them in your future endeavors (PSO3)
SAMRAT HALDER	11700216034	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
SHUBHA GAYEN	11700216025	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ATANU GHARA	11700216082	1	2	2	2	2	2	1	2	2	1	1	2	2	1	2
ARGHADEEP MONDAL	11700216089	1	2	2	2	2	2	1	2	2	1	1	2	2	2	2

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YASH AGARWAL	11700216006	1	2	2	2	2	2	1	2	2	1	1	2	2	1	2
HEMANT KUMAR AGARWAL	11700216068	1	3	3	3	3	3	1	3	3	1	1	3	3	1	3
ROHIT SINGH	11700216036	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TIASHA SARKAR	11700216011	1	3	2	3	2	3	1	2	2	1	1	3	2	2	2

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SOMA ROY	11700216022	1	3	2	3	2	3	1	2	2	1	1	3	2	2	2
ABISHEK KUMAR MONDAL	11700216100	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
BIKRAM MITRA	11700216076	1	2	1	2	1	2	1	1	1	1	1	2	1	2	1
ASHISH JAISWAL	11700216083	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1

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RAHUL KARMAKAR	11700216043	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEVESH DUGAR	11700216072	1	2	3	2	3	2	1	3	3	1	1	2	3	1	3
AMAN JAISWAL	11700216098	2	2	3	2	3	2	2	3	3	1	2	2	3	1	3
KUMARI RIYA	11700216060	2	2	2	2	2	2	2	2	2	1	2	2	2	3	2
SAYON MOULIK	11700216031	3	3	3	3	3	3	3	3	3	1	3	3	3	3	3

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TURNISHA SARKAR	11700216010	1	1	3	1	3	1	1	3	3	1	1	1	3	3	3
RITWIKA BANERJEE	11700216037	3	3	2	3	2	3	3	2	2	1	3	3	2	3	2
SHREYA VATS	11700216027	3	3	2	3	2	3	3	2	2	1	3	3	2	3	2
LAW KUMAR MADHUR	11700216057	2	2	3	2	3	2	2	3	3	2	2	2	3	3	3

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AMAN KUMAR	11700216097	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
SHIWAM KUMAR SUMAN	11700216028	1	1	3	1	3	1	1	3	3	1	1	1	3	2	3
SHAHZEB AKHTAR	11700216030	1	1	3	1	3	1	1	3	3	1	1	1	3	2	3
ARIHANT RAJ	11700216087	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2

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RAHUL KUMAR THAKUR	11700216042	2	1	2	1	2	1	2	2	2	2	2	1	2	3	2
APURBA SAHA	11700216090	2	1	3	1	3	1	2	3	3	2	2	1	3	3	3
SREJITA SAHA	11700216021	2	1	3	1	3	1	2	3	3	2	2	1	3	3	3
SK MD FARUK	11700216023	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1

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PRAVEEN KUMAR SHARMA	11700216049	2	3	3	3	3	3	2	3	3	2	2	3	3	1	3
DAMINI KUMARI	11700216073	2	3	3	3	3	3	2	3	3	2	2	3	3	1	3
AGNIBHOHOM CHOWDHURY	11700216099	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2

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MD MUZAMMIL	11700216056	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
ARUNAVA CHAUDHURI	11700216084	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AVINASH KUMAR SINGH	11700216079	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1

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SHREYASH CHAMARIA	11700216026	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
LAKHAN KUMAR	11700216058	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
RAVI SHANKAR	11700216040	1	2	2	2	2	2	1	2	2	1	1	2	2	2	2
ANKITA DATTA	11700216095	1	3	3	3	3	3	1	3	3	1	1	3	3	2	3

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RAJARSHI DAS	11700216041	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PRASENJIT DEY	11700216050	1	3	3	3	3	3	1	3	3	1	1	3	3	1	3
VIVEK KUMAR	11700216007	1	3	3	3	3	3	1	3	3	1	1	3	3	1	3
ANSHUMAN BAKSHI	11700216093	1	2	2	2	2	2	1	2	2	1	1	2	2	1	2
KAVERI SAHA	11700216063	1	2	2	2	2	2	1	2	2	1	1	2	2	1	2

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AMIT KUMAR	11700216096	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1
UZZWALPREET KAUR	11700216009	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KUMAR ADITYA	11700216062	1	2	2	2	2	2	1	2	2	1	1	2	2	1	2
PUSPITA DAS	11700216045	1	2	1	2	1	2	1	1	1	1	1	2	1	1	1

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SAYANTAN CHATTERJEE	11700216032	1	2	1	2	1	2	1	1	1	1	1	2	1	2	1
HIMANSHU SHARAN	11700216066	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NUSHRAT HUSSAIN	11700216055	1	1	2	1	2	1	1	2	2	1	1	1	2	1	2
SWETA BOSE	11700216013	1	1	2	1	2	1	1	2	2	1	1	1	2	1	2

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ARPITA ROY CHOWDHURY	11700216085	1	2	2	2	2	2	1	2	2	1	1	2	2	1	2
RITTIKA PAUL	11700216038	1	1	3	1	3	1	1	3	3	1	1	1	3	1	3
ANKITA SAHA	11700216094	1	1	3	1	3	1	1	3	3	1	1	1	3	1	3
PAROMITA PODDAR	11700216054	1	1	2	1	2	1	1	2	2	1	1	1	2	1	2

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TAMOGHNA CHOWDHURY	11700216012	1	1	3	1	3	1	1	3	3	1	1	1	3	1	3
SUVRAJIT MUKHERJEE	11700216015	1	1	3	1	3	1	1	3	3	1	1	1	3	2	3
ESHA GUPTA	11700216070	2	1	2	1	2	1	2	2	2	1	2	1	2	1	2
DIPANJAN RAY	11700216071	1	2	2	2	2	2	1	2	2	1	1	2	2	1	2

Department of Information Technology, RCC Institute of Information Technology, Kolkata

B. Tech. (IT): 2016 - 2020. **Program Exit Survey**

Name	University Roll Number	How do you rate your ability to apply engineering knowledge in finding solutions to complex engineering problems?(PO1)	How do you rate your skills in problem analysis?(PO2)	How do you rate your proficiency in the design and development of solutions for complex engineering problems?(PO3)	How do you rate your competency in knowledge acquired to conduct research based investigations for complex problems?(PO4)	How do you rate your ability to learn and use modern engineering and IT tools?(PO5)	How do you rate your reasoning ability to assess the societal problems as an engineer?(PO6)	How do you rate your ability to comprehend the impact of engineering solutions on environment and sustainability?(PO7)	How do you rate your commitment to professional ethics and moral values?(PO8)	How do you rate your capacity to function as a team member or leader in multidisciplinary projects?(PO9)	How do you rate your oral and written communication skills?(PO10)	How do you rate your skills pertaining to project management?(PO11)	How do you rate your preparedness for lifelong learning?(PO12)	How do you able to apply skills on the basis of mathematical and programming foundations in the development of computational solutions to design software and hardware.(PSO1)	How well you can work in interdisciplinary environment to conduct Research and development of a product (PSO2)	How well you have learn new technologies for effectively using them in your future endeavors (PSO3)
AVIK DATTA	11700216080	2	1	3	1	3	1	2	3	3	2	2	1	3	1	3
ANWESHA SAHA	11700216091	1	1	2	1	2	1	1	2	2	1	1	1	2	1	2
PRIYANKA DAS	11700216046	1	1	2	1	2	1	1	2	2	1	2	1	3	2	2
PRITAM MANNA	11700216048	1	2	2	2	2	2	1	2	2	1	1	2	3	1	2
SUBHOJEET BHADURI	11700216019	1	2	2	2	2	2	2	2	2	1	1	2	3	1	2

Department of Information Technology, RCC Institute of Information Technology, Kolkata

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AYUSH PARWAL	11700216078	2	1	2	1	2	1	2	2	2	1	2	1	3	1	1
		1.43	**1.82**	**2.18**	**1.82**	**2.18**	**1.82**	**1.44**	**2.18**	**2.18**	**1.23**	**1.44**	**1.82**	**2.24**	**1.58**	**2.17**

Department of Information Technology, RCC Institute of Information Technology, Kolkata

B. Tech. (IT): 2016 - 2020. **Alumni Survey**

Name	I carry fundamental knowledge in mathematics, science, engineering and humanities (PO1)	I am able to identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and production and industrial engineering (PO2)	I am able to design solutions for complex production and industrial engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health nd safety, and the cultural, societal, and environmental considerations (PO3)	I am able to use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions (PO4)	I am able to use modern tools for modelling complex production and industrial engineering activities (PO5)	I am applying reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional (PO6)	I understand the impact of the professional production and industrial engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development (PO7)	I can apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice (PO8)	I am able to functioning effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings (PO9)	I am able to communicate effectively on complex production and industrial engineering activities with the engineering community and with society at large (PO10)	I am able to apply the knowledge related to Project management and finance. (PO11)	I have life-long learning in broadest context of technological change. (PO12)	I am able to analyze, design, develop, test and apply skills on the basis of mathematical and programming foundations in the development of computational solutions to design software and hardware. (PSO1)	I am able to work effectively in interdisciplinary environment to conduct research and development of a product. (PSO2)	I am able to use new technologies in my professional career.(PSO3)
PRANAY SUMAN	1	2	3	2	3	3	1	3	3	2	2	3	3	2	3
SUPRADIP MONDAL	2	1	2	1	2	2	2	2	2	2	1	2	2	1	2
B MANI KANTA	1	2	3	2	2	3	1	3	3	3	2	3	3	2	3

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SYED ZAFAR ALI MULLICK	3	2	3	2	3	1	3	3	3	1	2	1	3	2	3
AYAN SARKAR	3	3	3	3	3	3	3	3	3	1	3	2	3	3	3
PIYUSH ABHISHEK	3	2	3	2	2	1	3	3	3	1	2	2	3	2	3

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ANJAN DUTTA	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
DEBMALLYA KARAN	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2

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SAIKAT BHATTACHARYYA	2	2	3	2	3	3	2	3	3	1	2	2	3	2	3
NILAKSHI GOSWAMI	2	2	3	2	3	3	2	3	3	1	2	2	3	2	3
ASTHA	1	2	3	2	2	3	1	3	3	1	1	3	3	1	3

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DINANATH	2	2	2	2	3	2	2	2	2	1	2	2	2	2	2
SHALINI DATTA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
ANAMITRA DEB	1	2	1	2	2	1	1	1	1	1	1	1	1	1	1

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AKASH CHAKRABORTY	2	2	2	1	2	1	2	2	2	2	2	2	2	2	1
SUVRANIL SAHA	2	2	1	3	1	1	2	1	1	1	2	1	1	2	1

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INDRANIL DEY	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
AJIT KUMAR DAS	1	2	2	3	2	2	1	2	2	1	1	2	2	1	2
SUBHOJIT BHAUMIK	1	2	2	1	2	2	1	2	2	2	1	1	2	1	1

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SWARNENDU SAHA	1	2	3	3	3	2	1	3	3	1	1	2	3	1	2
MOUJHORI CHAKRABORTY	1	1	3	1	3	2	1	3	3	1	1	2	3	1	2

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RAJDEEP ROY	1	1	3	1	3	3	1	3	3	1	1	1	3	1	3
ANNU SAHA	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
AMIT RANJAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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PANCHAM MAYANK	2	2	3	2	3	3	2	3	3	1	2	3	3	2	3
JAGRITI	2	2	2	2	2	2	2	2	2	1	2	2	3	2	2
SOURAV SHRESTHA	2	2	3	2	3	3	2	3	3	1	2	3	3	2	1

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MOHOR ROY	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
VISHAL RAJ	1	2	3	2	3	1	1	3	3	1	1	3	3	1	3
SOURAV NASKAR	1	2	2	2	2	2	1	2	2	2	1	2	1	1	2

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ARIJIT SARDAR	2	2	2	2	3	2	2	2	2	1	2	2	2	2	2
PRIYADARSHAN	1	3	2	3	3	2	1	2	2	1	1	1	3	1	1

Department of Information Technology, RCC Institute of Information Technology, Kolkata

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Name	I carry fundamental knowledge in mathematics, science, engineering and humanities (PO1)	I am able to identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and production and industrial engineering (PO2)	I am able to design solutions for complex production and industrial engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health nd safety, and the cultural, societal, and environmental considerations (PO3)	I am able to use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions (PO4)	I am able to use modern tools for modelling complex production and industrial engineering activities (PO5)	I am applying reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional (PO6)	I understand the impact of the professional production and industrial engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development (PO7)	I can apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice (PO8)	I am able to functioning effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings (PO9)	I am able to communicate effectively on complex production and industrial engineering activities with the engineering community and with society at large (PO10)	I am able to apply the knowledge related to Project management and finance. (PO11)	I have life-long learning in broadest context of technological change. (PO12)	I am able to analyze, design, develop, test and apply skills on the basis of mathematical and programming foundations in the development of computational solutions to design software and hardware. (PSO1)	I am able to work effectively in interdisciplinary environment to conduct research and development of a product. (PSO2)	I am able to use new technologies in my professional career.(PSO3)
NIRMALA KUMARI SINGH	1	2	2	1	3	2	1	2	3	1	1	2	2	1	2

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ANKIT KUMAR CHAUDHARY	1	2	2	3	1	1	1	2	2	1	1	2	3	1	2
KAUSHAL KUMAR JHA	1	2	2	1	1	2	1	2	2	1	1	2	2	1	3

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SANDEEP SINGH	1	2	2	3	1	1	1	2	2	1	1	2	2	2	2
RISHABH TEWARI	1	2	2	2	2	2	1	2	2	1	1	1	2	1	3

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DEBANGANA CHOWDHURY	1	2	2	2	2	1	1	2	2	1	1	2	2	1	2
PUSHPAK CHAKRABORTY	1	2	3	2	3	2	1	2	3	1	2	3	3	2	3

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	1.52	**1.93**	**2.27**	**1.93**	**2.27**	**1.93**	**1.52**	**2.23**	**2.27**	**1.26**	**1.52**	**1.93**	**2.34**	**1.55**	**2.12**

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B. Tech. (IT): 2016 - 2020. **Employer Survey**

Organization/Company Name	What is your general impression of the Bachelor's degree program in Mathematics and Sciences?(PO1)	How well students of IT RCCIIT can identify and analyze complex computing problems using principles of mathematics, science and engineering (PO2)	How good you find students are in designing solutions for complex computer engineering problems that meets socio economic aspects like public health and safety(PO3)	How you will rate ability of students to apply engineering knowledge to design experiments ,analyze, and interpret data to obtain valid conclusions?(PO4)	Rate student's ability to use techniques, skills and modern engineering tools necessary for engineering practice.(PO5)	Are students aware and have understanding of importance of legal and cultural issues and the consequent responsibilities relevant to engineering practice?(PO6)	Are students aware and understands the impact of professional engineering solutions in societal and environmental contexts?(PO7)	How well students understand the professional responsibility and ethics ?(PO8)	Competence to function on multidisciplinary teams (PO9)	How you will rate the communication skills of students?(PO10)	Rate how well students can prepare a specific time line and sequence of activities and use them manage the overall project to ensure its timely completion? (PO11)	How well you are intended for life-long learning through higher education and or participation on different category of platform related to the engineering? (PO12)	How well IT students are prepared to analyze, design, and apply skills on the basis of mathematical and programming foundations in the development of computational solutions?(PSO1)	Give rating for the ability of students to work in inter disciplinary fields to identify research gaps and hence provide solution to environmental and social issues.(PSO2)	Ability of the students to engage themselves in modern technologies in application development.(PSO3)
EPAM India	1	1	2	1	3	3	1	2	3	2	1	1	3	1	2
PWC	2	3	3	3	3	3	3	3	3	2	2	3	3	1	3
Demand Farm	1	1	3	1	2	1	1	1	1	1	1	1	2	1	1
Rakuten	2	1	1	2	1	1	1	2	3	1	1	3	3	1	2
Zensar	1	2	2	2	3	1	1	2	1	1	1	1	2	2	1
Capgemini	2	2	3	2	2	1	1	2	3	1	1	1	2	1	2
Indus Net Technologies	2	2	2	2	2	2	2	3	2	1	2	2	2	2	2

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PRM Fincon Services Pvt Ltd	2	3	3	3	3	3	3	3	3	1	2	3	3	1	3
Kovair Software Pvt Ltd	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
	1.61	**1.92**	**2.38**	**2.00**	**2.38**	**1.92**	**1.61**	**2.23**	**2.38**	**1.23**	**1.46**	**1.92**	**2.44**	**1.35**	**2.02**