

## Report on Seminar “Virtual Reality based Innovative Research for Healthcare Benefits” held on 24<sup>th</sup> July 2025

On 24<sup>th</sup> July 2025, NDLI Club of RCCIIT organized seminar on the topic “Virtual Reality based Innovative Research for Healthcare Benefits” in association with Institution’s Innovation Council, RCCIIT. Dr. Debabrata Samanta from Rochester Institute of Technology – Kosovo delivered the lecture in presence of 40 students and faculties at the Institute campus. In his talk, speaker tried to emphasize about the risk-free simulations that surgeons and students can practise, hanks to its immersive and interactive medical training environments, which greatly increase proficiency and lower errors. Virtual reality is being studied for its potential to help patients manage their pain by diverting their attention during unpleasant procedures, as well as to reduce anxiety and phobias through controlled exposure therapy. Additionally, Dr. Samanta explained that R-based rehabilitation programs improve patient engagement and hasten the healing process following strokes or accidents. By enabling people to experience situations from a patient's point of view, this technology also helps medical personnel develop empathy, which eventually results in more effective and compassionate treatment. A few glimpses of the program is given below:

