

Report on One-Day Workshop on Virtual Labs



A one-day workshop on “Virtual Labs” was successfully conducted on Wednesday, 17th December 2025 at the N. J. Yasaswy Auditorium, The ICFAI University, Sikkim. The workshop was organized by The ICFAI University, Sikkim in association with IIT Delhi under the Virtual Labs initiative of the Ministry of Education (MoE), Government of India, as part of the National Mission on Education through ICT (NMEICT).

The primary objective of the workshop was to create awareness and provide hands-on exposure to the Virtual Labs platform, which enables students and faculty to perform laboratory experiments remotely using simulations and virtual environments. The sessions highlighted the importance of Virtual Labs in supplementing physical laboratory infrastructure and strengthening experiential learning.

The workshop was conducted by Mr. Ashir Rehman from IIT Delhi, who served as the resource person for the event. He provided in-depth insights into the architecture, features, and academic relevance of Virtual Labs across various science and engineering disciplines. He also emphasized the pedagogical advantages of virtual experimentation, including self-paced learning, improved accessibility, and exposure to high-quality laboratory resources developed by premier institutions such as the IITs.

The workshop witnessed active participation from a total of 99 participants, including 92 students and 7 faculty members from the Faculty of Science and Technology. The interactive session encouraged discussions on effective integration of Virtual Labs into the regular teaching–learning process.

The program concluded with positive feedback from participants, who appreciated the initiative for enhancing digital education and promoting innovative laboratory learning practices.