



# INNOVATIONS IN CSE 2025

Department of Computer Science and Engineering



## AI/ML-based 6G Wireless Network Design

Prof Rohit Budhiraja

Dept of EE, IIT Kanpur

Venue: RM101, Rajeev Motwani Building

Time: 10:00 AM

## Invited Lecture

06

APR

SUNDAY

## 25+ Research Presentations

Time: 10:45 AM

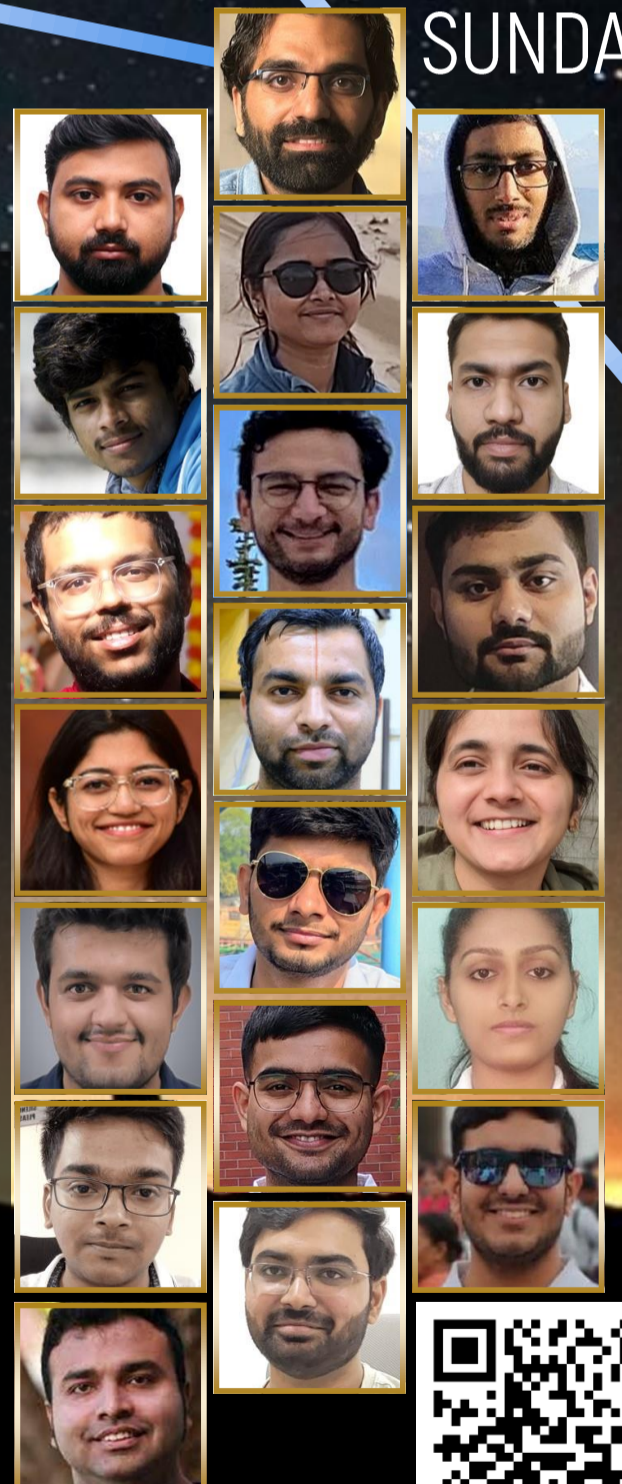
Venue: RM101 Foyer

**Cybersecurity and Cyber-physical Systems:** Timing Attack, Reverse Engineering, Approximate Computing, LOLBins, APT Attribution, Privacy-preserving Authentication, Side-channel, LLMs in Cybersecurity, Zero-knowledge, Fault attack, Post-quantum, Hardware-Software Co-Design

**Theoretical Computer Science:** CPU-GPU Data Structures, One-Way Functions, Polynomial Time Dimension, Graph-Based Resource Allocation, Polynomial Factorization

**Computer Systems:** Cache Coherence, Sharing On-the-fly, Large Workloads, End-User Programming

**AI and Machine Learning:** Hierarchical RL, Policy Gradient RL, Adaptive Relabeling, LLM Unlearning, Orbital Shifts, Single-cell Multiomics, Hierarchical Multimodal learning, Multi-Person Localization, Through-the-Wall Localization, Video Stylization, Phylogeny-aware Variant Calling, Single-cell Panel Sequencing, Sign Language Translation, Human Activity Recognition, Commonsense Reasoning



Abstracts: <https://kendra.cse.iitk.ac.in/www/doc/rc25.pdf>

