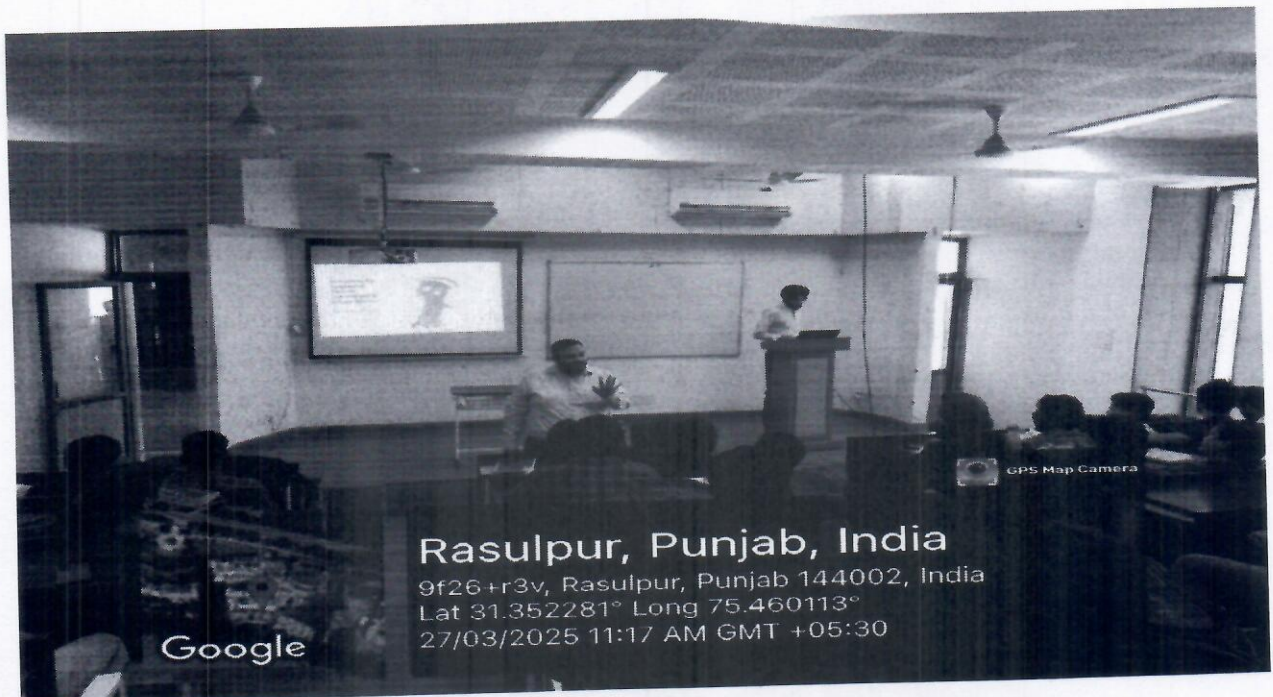



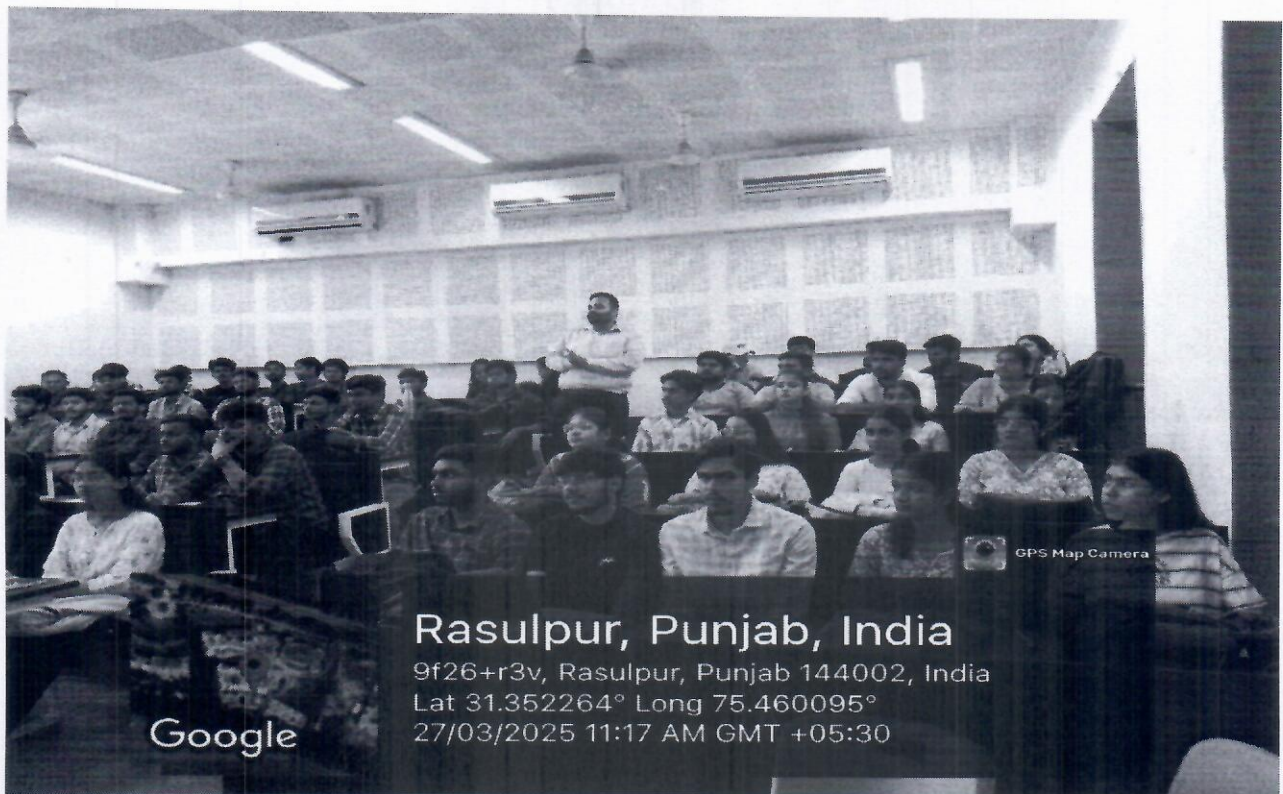
7.2.1- Best Practices of ECE department

A) To keep the students updated and synchronized with the latest technological developments, department of ECE continuously organizes the expert lectures from the industry experts. To continue this trend, Department of Electronics and Communication Engineering, IKGPTU Main campus organized one day an expert lecture and hands-on workshop on "Generative AI" on 27th March, 2025 at 11:00 AM. The resource person was Mr. Gurminder Singh, Data Scientist and Managing Director at Cooderroots. Students from various departments attended this event and more than 50 students attended this event. Following topics were discussed by the resource person(s) in detail:

- i) Understanding Generative AI and its Real-World Applications
- ii) Exploring Large Language Models (LLMs)
- iii) Creating AI-generated images using Stable Diffusion
- iv) Deploying AI chatbots and text-to-text generators

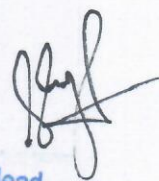



Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603

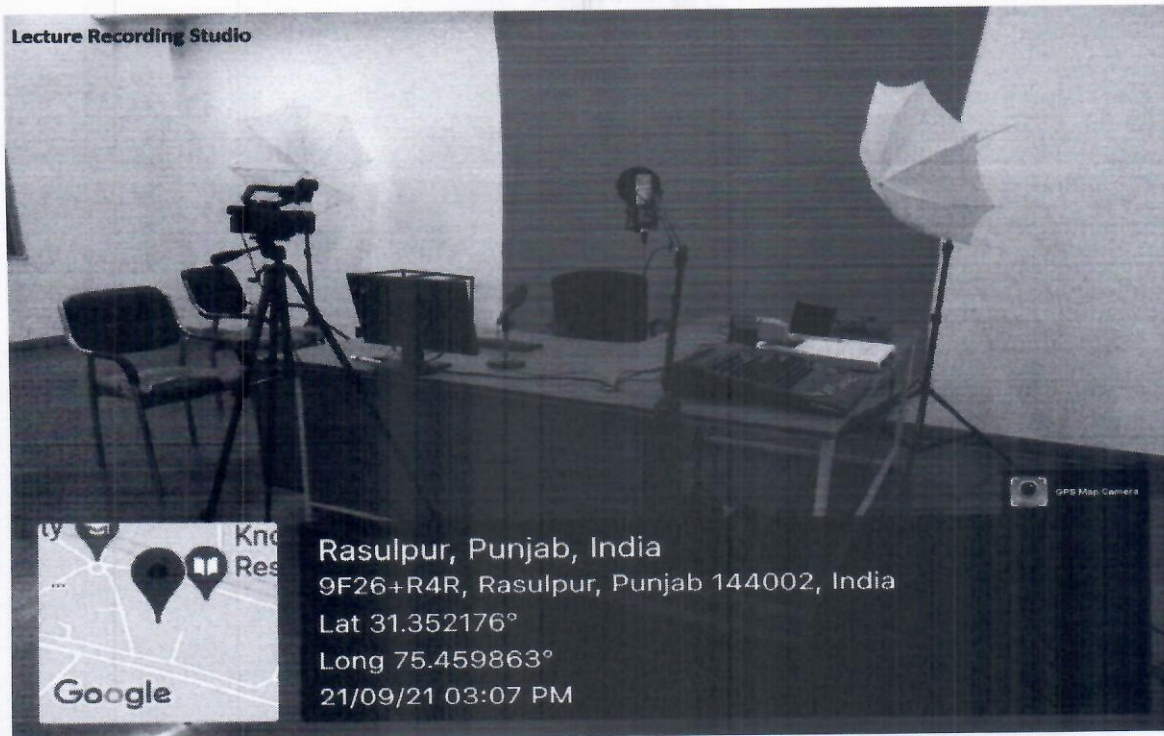


B) A lecture recording studio can greatly enhance the quality of your educational content. Department of ECE has also set up a lecture recording studio where faculty from the various department can utilize it for recording their educational content. It is equipped with the following equipment/hardware/software

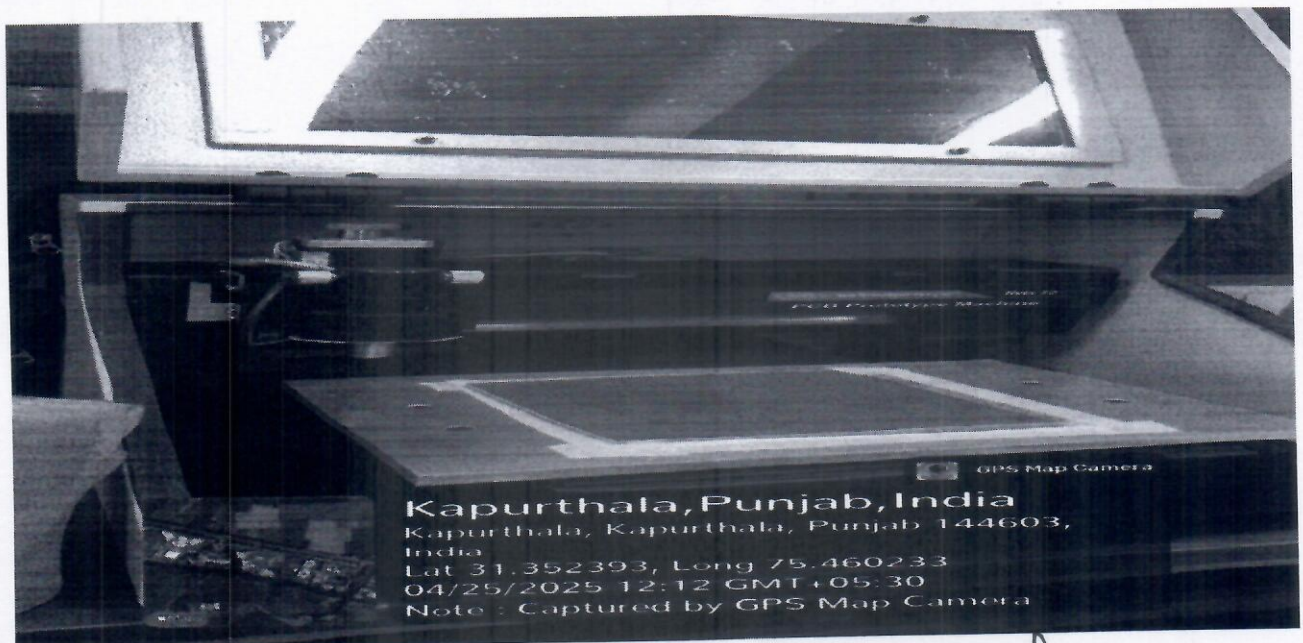
- i) 360 degree camera
- ii) Shotgun Microphone
- iii) Condenser microphone
- iv) Professional Studio Boom Arm
- v) Motorized Projector Screen
- vi) Collar microphone
- vii) 16 input 6 bus mixer


Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144801

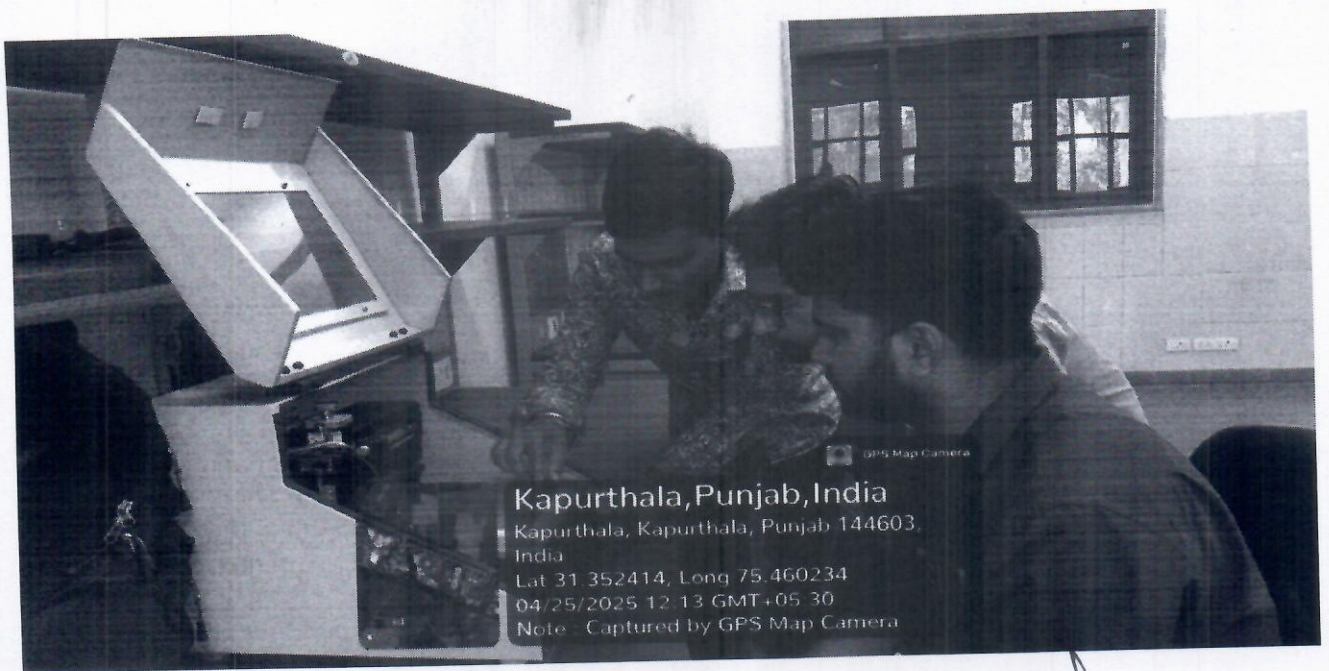
viii) Multimedia speaker and Studio lights



C) A PCB (Printed Circuit Board) lab is essential for designing, testing, and analysing PCBs, which are crucial components in electronic devices. Department of ECE has also set up a Printing Circuit Board (PCB) lab. Students use this PCB lab for design verification and functional testing and provides hands-on experience to students in PCB design and manufacturing.



Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603



Kapurthala, Punjab, India

Kapurthala, Kapurthala, Punjab 144603,
India

Lat 31.352414, Long 75.460234

04/25/2025 12:13 GMT+05:30

Note: Captured by GPS Map Camera

HOD(ECE)

Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603