



# IETE STUDENTS' FORUM (ISF)

## INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS



The IETE Students' Forum (ISF) organized a visit to Punjab Engineering College, Chandigarh, on March 26, 2025, to explore the 5G Communication Lab. The visit provided valuable insights into cutting-edge advancements in 5G technology and its applications. The visit to PEC, Chandigarh. It was aimed at enhancing our understanding of 5G technology and exploring the development of diverse bandwidth networks. Additionally, we gained insights into how a building can interact with surrounding networks to create a seamless and efficient communication ecosystem.

We were informed that the 5G communication program is being conducted under the guidance of the Government of India. During our visit, we gained valuable perception into various use cases that have been implemented or are currently underway under government supervision. Additionally, we were encouraged to contribute new use case ideas to further enhance the program and were given the opportunity to collaborate. This report also provides an overview of the equipment present at the facility.

We extend our sincere gratitude to Dr. Arun Kumar (Head of the ECE Department, PEC), Dr. Simranjit Singh (Associate Professor and Lab Incharge), and the entire PEC team for facilitating this insightful tour. Their guidance and expertise provided our students with invaluable practical knowledge and a deeper understanding of 5G technology.

The visit to pec, chandigarh was organized under the guidance of:

- **Dr. Munish Rattan** (Coordinator ISF)
- **Dr. Shivmanmeet Singh** (Secretary ISF)
- **Dr. Preeti Pannu** (Assistant Professor)
- **Pavneet Kaur** (Convenor) D3ECE
- **Mansi** (Co-Convenor) (D3ECE)
- **Rabnoor Kaur** (Co-Conveer) (D3ECE)

Er. Shivmanmeet Singh  
(Secretary IETE SF)

Dr. Munish Rattan  
(Coordinator IETE SF)



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# TOKEN OF HONOUR AND GRATITUDE FROM PEC



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Er. Shivmanmeet Singh  
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Dr. Munish Rattan  
(Coordinator IETE SF)

# SOME GLIMPSES OF 5G BASED EQUIPMENTS DISPLAYED IN THE 5G USE-CASE LAB



Er. Shivmanmeet Singh  
(Secretary IETE SF)

Dr. Munish Rattan  
(Coordinator IETE SF)

## **LIST OF PARTICIPANTS: -**

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