



TEC signs MoU with IIT-Hyderabad for collaboration on Joint Studies and Technical Contributions in Telecom Technologies and Standardisation Activities

Posted On: 24 OCT 2025 7:27PM by PIB Delhi

The Telecommunication Engineering Centre (TEC), the technical arm of the Department of Telecommunications (DoT), Government of India, has signed a Memorandum of Understanding (MoU) with the **Indian Institute of Technology Hyderabad (IIT Hyderabad)** to collaborate on joint studies, research, and technical contributions in advanced telecom technologies and global standardisation activities.

The partnership aims to develop India-specific standards and test frameworks, explore future network technologies such as 6G, Artificial Intelligence (AI), and Non-Terrestrial Networks (NTNs), and enhance India's participation in ITU-T (International Telecommunication Union – Telecommunication Standardization Sector) Study Groups.



The MoU was signed on 24th October 2025 by Shri Amit Kumar Srivastava, DDG (Mobile Technologies), TEC and, Prof. Budaraju Srinivasa Murty, Director, IITH in presence of Shri Syed Tausif Abbas, Sr. DDG and Head (TEC) and Prof. Kiran Kumar Kuchi, IITH at IIT Hyderabad.

The partnership creates a formal framework for TEC to work closely with IIT Hyderabad on next-generation telecom and standardisation activities.

Key Areas of Collaboration:

- **Mobile Communication Technologies:** Study and technical contributions on Network Architecture, signalling and protocols for 4G, 5G, NB-IoT etc.
- **Open RAN:** Collaborative research in Open RAN and Network Disaggregation, focusing on open interfaces and orchestration.
- **6G:** Exploring of architecture and enabling technologies for 6G with contributions in standardisation activities in 3GPP and related global forums.
- **Non-Terrestrial Networks (NTNs):** Research and standardisation on NTN, HAPS and integration of Terrestrial Network (TN) with NTN.
- **Specific Absorption Rate (SAR):** Joint work on SAR exposure, compliance framework and health impact studies.

This partnership aims to accelerate indigenous R&D and increase India's influence in global standardisation processes by strengthening India's contributions to global standardisation bodies such as ITU and 3GPP.

This collaboration will further the Atmanirbhar Bharat vision by strengthening indigenous research, design and manufacturing in telecom - developing India-specific standards, test frameworks and home-grown solutions that bolster national self-reliance, secure critical communications infrastructure and reduce dependence on imports.

About TEC

The Telecommunication Engineering Centre (TEC) is the technical arm of the Department of Telecommunications (DoT), Government of India. TEC formulates technical standards, specifications, and conformity assessment requirements for telecom equipment and networks in India, ensuring interoperability, quality, and alignment with global best practices. TEC represents India in international fora such as the ITU-T, ITU-R and coordinates National Working Groups for global standardization activities

About IIT Hyderabad

The Indian Institute of Technology Hyderabad (IIT Hyderabad), established in 2008, is a premier institute of national importance with strong academic and research capabilities in advanced telecommunications, 5G/6G technologies, artificial intelligence applications in telecom, and emerging ICT domains.

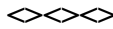
Follow DoT Handles for more: -

X - https://x.com/DoT_India

Insta- https://www.instagram.com/department_of_telecom?igsh=MXUxbHFjd3llZTU0YQ
==

Fb - <https://www.facebook.com/DoTIndia>

Youtube: <https://www.youtube.com/@departmentoftelecom>



Samrat/Allen

(Release ID: 2182282) Visitor Counter : 197

Read this release in: Urdu