



# INDIA MOBILE CONGRESS 2025

## WORKSHOP FOR ACADEMICIANS OF 5G USE CASE LABS

**THEME: India's Journey to a 6G-Ready Ecosystem**

**9<sup>th</sup> OCTOBER, 2025**

**VENUE : Session Hall (Near Brahamkamal),  
Yashobhoomi Convention Centre, (India  
International Convention and Expo Centre (IICC)  
Sector 25, Dwarka, New Delhi – 110061)**

| BRIEF about Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                |                                                              |
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| One Day Workshop for the Academicians of 5G Labs on 9th October 2025, will be focusing on 5G use cases, 5G Advanced, Roadmap to 6G, Non-Terrestrial Integration, Innovation opportunities and participation in Global Standards. It will also showcase scalable 5G use cases in Manufacturing, Agriculture, Healthcare, Smart Grids, and Railways. Further, the agenda highlights innovation, standardization, and industry-academia collaboration, with insights into ITU/3GPP engagements and India’s contributions to global telecom standards. The subject matter experts on various topics will be deliberating on the topics, followed with a panel discussions and interaction with the participants.                                                     |                                                                                                                                                                                                                                                                                                |                                                              |
| Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Session Details                                                                                                                                                                                                                                                                                | Speaker                                                      |
| 0900 to 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Registration                                                                                                                                                                                                                                                                                   |                                                              |
| 1000 to 1005 : <b>Lamp Lighting Ceremony</b><br>1005 to 1010 : <b>Welcome &amp; Opening Remarks</b> – Shri Rajesh Gupta, DDG (WA), NCA-T, Ghaziabad<br>1010 to 1015 : <b>Distinguished Address</b> – Shri Atul Sinha, Director General, NCA-T, Ghaziabad<br>1015 to 1020 : <b>Keynote Address</b> – Dr. Neeraj Mittal, Secretary, DoT & Chairman, DCC<br>1020 to 1030 : <b>Inaugural Address - Dr. Pemmasani Chandra Sekhar, Hon’ble Minister of State Ministry of Communications and Ministry of Rural Development</b><br>1030 to 1040 : <b>Awards distribution</b> to 5G Innovation Hackathon 2025 winners, and Certificates to the best performing 5G Use Case Labs<br>1040 to 1045 : <b>Vote of Thanks</b> – Shri Atul Joshi Director (WA), NCA-T, Ghaziabad |                                                                                                                                                                                                                                                                                                |                                                              |
| 1045 to 1100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Coffee Break                                                                                                                                                                                                                                                                                   |                                                              |
| SESSION- A: INDIA’S PATH TO 6G NETWORKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                |                                                              |
| 1100 to 1115                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Software-Defined Architectures for 5G and Beyond: From Testbeds to Intelligent Infrastructure                                                                                                                                                                                                  | Dr. Ekant Sharma, IIT Roorkee                                |
| 1115 to 1130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | AI/ML-Frameworks for Sustainable 6G network                                                                                                                                                                                                                                                    | Mr. Kaushik Dey, Ericsson                                    |
| 1130 to 1145                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5G and Non-Terrestrial Network Integration                                                                                                                                                                                                                                                     | Mr. Manoj Gurnani, Nokia                                     |
| 1145 to 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | India’s Role in Global 6G Vision                                                                                                                                                                                                                                                               | Mr. Rajesh Pathak, DG, Bharat 6G Alliance                    |
| 1200 to 1230                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Panel Discussion:</b> " INDIA’S PATH TO 6G NETWORKS"<br><b>Panelists :</b> Prof. Ekant Sharma, IIT Roorkee, Mr. Kaushik Dey, Ericsson, Mr. Manoj Gurnani, Nokia, Mr. Rajesh Pathak, DG, Bharat 6G Alliance<br><b>Session Chair:</b> Mr. Rajesh Gupta, DDG Wireless Access, NCA-T, Ghaziabad |                                                              |
| SESSION- A1: STUDENT/Academia Presentations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                |                                                              |
| 1230 to 1240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Unveiling the Features of 5G Advanced and 6G Using Dielectric Resonator Antennas                                                                                                                                                                                                               | Dr. Md. Muzammil Sani,Jamia Millia Islamia New Delhi         |
| 1240 to 1250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Quantum-Enhanced Railway Optimisation: Integrating QUBO Algorithms with Machine Learning for Intelligent Train Scheduling and Accident Prevention in Indian Railways                                                                                                                           | Mr.Aayush Chauhan, Faculty of Technology,University of Delhi |
| 1250 to 1400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lunch Break                                                                                                                                                                                                                                                                                    |                                                              |

| SESSION- B: SHOWCASING 5G FOR BHARAT-SCALABLE USE CASES AND PILOTS        |                                                                                                                                                                                                                                                                                        |                                                    |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| 1400 to 1415                                                              | Smart Manufacturing with 5G & AI                                                                                                                                                                                                                                                       | Mr. Kalyan Ram B (Automotive industry Association) |
| 1415 to 1430                                                              | 5G in Precision Agriculture: Indian Innovations                                                                                                                                                                                                                                        | Dr. Rabi N Sahoo (ICAR-IARI)                       |
| 1430 to 1445                                                              | Connected Healthcare & Remote Surgery                                                                                                                                                                                                                                                  | Mr. Priyanjit Ghosh (Logy.AI)                      |
| 1445 to 1500                                                              | Smart Industrial Infrastructure and Predictive Maintenance                                                                                                                                                                                                                             | Mr. Avnish (LivNsense)                             |
| 1500 to 1530                                                              | <b>Panel Discussion:</b> SHOWCASING 5G FOR BHARAT-SCALABLE USE CASES AND PILOTS<br><b>Panelist:</b> Mr. Kalyan Ram B (AIA), Dr. Rabi N Sahoo, Mr. Priyanjit Ghosh,and Mr. Avnish<br><b>Session Chair:</b> Mr. Ashok Kumar, DDG SRI DoT HQ                                              |                                                    |
| 1530 to 1600                                                              | Coffee Break                                                                                                                                                                                                                                                                           |                                                    |
| SESSION-C : INNOVATION, STANDARDIZATION & INDUSTRY-ACADEMIA COLLABORATION |                                                                                                                                                                                                                                                                                        |                                                    |
| 1600 to 1615                                                              | Academia’s Role in NextG Standardization Efforts                                                                                                                                                                                                                                       | Prof Brejesh Lall, IIT Delhi                       |
| 1615 to 1630                                                              | Role of Academia-Industry Collaboration                                                                                                                                                                                                                                                | Dr. Mallik Tatipamula, Ericsson                    |
| 1630 to 1645                                                              | Global Collaboration in 6G Research and India’s contributions in 3 GPP                                                                                                                                                                                                                 | Mr. A K Mittal, TSDSI                              |
| 1645 to 1700                                                              | ITU Engagements : Focus Group on AI in Native Networks and Study Group 13 - Study items                                                                                                                                                                                                | Mr. Amit Shrivastava, DDG MT, TEC                  |
| 1700 to 1730                                                              | <b>Panel Discussion:</b> INNOVATION, STANDARDIZATION & INDUSTRY-ACADEMIA COLLABORATION<br><b>Panelists:</b> Prof Brejesh Lall, IIT Delhi, Dr. Mallik Tatipamula, Ericsson Mr. A K Mittal, TSDSI and Mr. Amit Shrivastava, DDG MT, TEC<br><b>Session Chair:</b> Mr Atul Sinha, DG NCA-T |                                                    |

## Inauguration



**Dr. Pemmasani Chandra Sekhar**  
Hon'ble Minister of State,  
Communications



**Dr. Neeraj Mittal, Secretary, DoT**  
and Chairman DCC



**Sh. Atul Sinha**  
DG, NCA-T

## Speakers, Panelists and Session Chairs



**Sh. Rajesh Gupta**  
DDG, NCA-T



**Sh. Ashok Kumar**  
DDG SRI, DoT HQ



**Sh. Amit Shrivastava**  
DDG MT, TEC



**Dr. Ekant Sharma**  
IIT Roorkee



**Sh. Kaushik Dey**  
Ericsson



**Sh. Manoj Gurnani**  
Nokia



**Sh. Rajesh Pathak**  
Bharat 6G Alliance



**Sh. Kalyan Ram B**  
Automotive industry  
Association



**Dr. Rabi N Sahoo**  
ICAR-IARI



**Sh. Priyanjit Ghosh**  
Logy.AI



**Sh. Avnish**  
LivNsense



**Prof Brejesh Lall,**  
IIT Delhi



**Dr. Mallikarjun Tatipamula**  
Ericsson



**Sh. A K Mittal**  
TSDSI



**Dr. Md. Muzammil Sani**  
Jamia Millia Islamia



**Sh. Aaysh Chauhan**  
University of Delhi

## Organizing Team



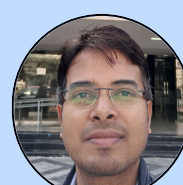
**Sh. R P Singh**  
Director, NCA-T



**Sh. Atul Joshi**  
Director, NCA-T



**Sh. Sandeep Singh**  
AD, NCA-T



**Sh. M P S Tomar,**  
AD, NCA-T

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