



दूरसंचार विभाग, भारत सरकार
Department of Telecommunications,
Government of India



राष्ट्रीय संचार अकादमी- तकनीकी
National Communications Academy-
Technology, Ghaziabad

Webinar

On

AI in Mobile Radio Access Networks

Date: 29-05-2026



For registration <https://forms.gle/vRE26D5cli6Mny6V8>

Scan this QR code or click on link given below to join the meeting:

<https://tinyurl.com/AI-in-Mobile-RAN>

PROGRAMME SCHEDULE

| S.No | SESSION & SLOT | TOPIC |
|------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1 | Inaugural Session 1045 - 1100 Hrs | Welcome Address - Sh. Rajesh Gupta, DDG (Wireless Access) NCA-T. Inaugural Address- Sh. Atul Sinha, Director General, NCA-T. |
| 2 | Session 1 1100 - 1150 Hrs | AI-Driven Mobile RAN for 5G Advanced and 6G Networks - Dr. Sameer G. Kulkarni, Asst. Prof. IIT Gandhinagar |
| 3 | Session 2 1150 – 1240 Hrs | AI for RAN and its Application - Ms. Sandeep Saini, M/s Ericsson |
| 4 | Closing Session and Q & A 1240- 1250 Hrs | Vote of Thanks - Sh. Atul Joshi, Director(Wireless Access), NCA-T. |

ABOUT THE WEBINAR

This webinar aims to provide participants with a comprehensive understanding of the role of Artificial Intelligence (AI), Machine Learning (ML), and Generative AI in Mobile Radio Access Networks (RAN) for 5G Advanced and emerging 6G networks. It will cover key concepts, architectures, and AI-driven approaches for intelligent RAN automation, optimization, and resource management. The webinar will further highlight the application of AI/ML in Open RAN ecosystems, including intelligent RAN controllers, traffic prediction, energy efficiency, beamforming optimization, interference mitigation, and self-organizing network capabilities. The sessions will also discuss evolving AI-native network frameworks, standardization activities, operational challenges, security and privacy considerations, and future opportunities associated with the deployment of AI-enabled mobile communication networks.

EXPERT SPEAKERS



Dr. Sameer G. Kulkarni,
Asst. Prof. IIT Gandhinagar

Dr. Sameer Gundurao Kulkarni is currently serving as Assistant Professor at the Indian Institute of Technology (IIT) Gandhinagar since April 2020. Prior to this, he worked as a Post-Doctoral Researcher at the University of California, Riverside and at the University of Göttingen, Germany. His research areas are Network Function Virtualization, Software Defined Networking, Cloud Computing, Power & Performance Optimizations, Network Security and Data Reliability Green Computing, Virtual Machines & Virtualization, Embedded and Portable Devices and Distributed Systems. Earlier in his career, he worked as Engineer Staff – Multimedia Systems at Qualcomm Technologies Inc. (QCT), San Diego, and as Senior Engineer – Product Research & Design (Embedded Systems) at Tata Elxsi, Bangalore,



Sh. Sandeep Saini,
M/s Ericsson

Sh. Sandeep Saini is a seasoned expert in Telecommunication Radio Network Solutions and Business Development, currently working as an Expert – RAN Architecture at Ericsson, where he leads the design of advanced 5G products and radio network solutions for customers across South East Asia, Oceania and India.

An industry veteran, Sh. Sandeep's expertise covers a broad spectrum of cutting edge technologies, including 5G, Massive MIMO, indoor solutions, Cloud RAN, Open RAN (O RAN) and RAN AI, positioning him as a trusted advisor for operators navigating their network evolution journeys. He is an Electronics & Telecommunication Engineer and holds a Post Graduate MBA from the Indian Institute of Foreign Trade (IIFT), combining deep technical knowledge with strong business acumen.



Organized by : Wireless Access Division
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