

5G Architecture Explained

COURSE OUTLINE



Course Details

Name: 5G Architecture Explained

Module 1: Traffic Evolution in Mobile Communications Networks

Topics discussed in this module are listed below:

- New Applications
- Internet of Things
- Cloud computing
- Mobile Data Growth
- 5G Data drivers
- 5G Use Cases
- ITU Requirements for 5G networks: IMT-2020
- 5G 3GPP Standards: Release 15

Module 2: 5G Architecture

Topics discussed in this module are listed below:

- 3GPP 5G Architecture: Interface and Protocols
- 5G Core Network Architecture
- Network Virtualization
- Cloud RAN
- Network Slicing
- Multiple-Access Edge Computing (MEC)
- Interworking with 4G

Module 3: 5G Radio Architecture and Protocols

Topics discussed in this module are listed below:

- 5G Radio Interface Layers
- Multi-RAT dual Connectivity
- gNB-CU and gNB-DU