

5G New Radio Explained

COURSE OUTLINE



Course Details

Name: 5G New Radio 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 New Radio

Topics discussed in this module are listed below:

- Rel-15 5G NR Options: Standalone and Non-Standalone
- Spectrum for 5G
- Multiplexing and multiple access
- Frame Structure
- Numerology
- Introduction to Massive MIMO
- Reference Signals
- 5G Physical Channels
- Radio Interface Protocols