5G NR Initial Access

1 Hr. 36 Min.

LEARNING OBJECTIVE:

Upon completing the course, the participant will be able to:

➢ PRACH - Preambles and their formats
➢ UE Synchronization process in Uplink
➢ Cell search & PLMN Selection Procedure
➢ Downlink Synchronization process

COURSE OBJECTIVE:

In this course we will discuss 5G Initial access procedure wherein we will discuss about :

➢ PRACH - Preambles and their formats
➢ UE Synchronization process in Uplink
➢ Cell search & PLMN Selection Procedure
➢ Downlink Synchronization process
➢ Beam Management process

WHO SHOULD ATTEND:

This course is designed to provide a in-depth knowledge about the 5G procedures so telecommunications professionals, network professionals and others who plan to work and gain knowledge in 5G wireless network can come on board.

TARGET AUDIENCE:

RF Engineers, 5G Planners and Optimizers

INSTRUCTIONAL METHODS:

Lectures in Classroom, Virtual Classroom trainings, discussion, Questions & Answers. All participants will also receive comprehensive course materials.

COURSE OUTLINE:

1. Initial Synchronization and access parameters

1.1 UL Synchronization and PRACH Procedures

1.2 Contention-Based and Contention Free RACH Procedures

1.3 Beam Sweeping & Selection in Initial Access

1.4 DL Synchronization and Cell/Network Selection

1.5 RF Scanning and DL Slot Synchronization

1.6 Obtaining Minimum and Other System Information

Evaluation and feedback of the participants

Maximum number of participants:	15
Duration:	1 Hr. 36 Min.