



**5G NR RRM Functionalities**

**2 Hr. 58 Min.**



**LEARNING OBJECTIVE:**

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

- 5G Bearer Configuration & Admission Control
- NR Power Control
- 5G Adaptive Modulation and Coding
- NR Scheduling Parameters

**COURSE OBJECTIVE:**

In this course we will discuss about radio resource Management (RRM) functionalities in detail. We will cover:

- The concept of QoS, Bearer in 5G
- The Implementation of Power Control in UL and DL
- Principles of Adaptive Modulation and Coding (AMC)
- The details about Scheduling in 5G
- 5G NR RRM Functionalities

**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. 5G Bearer Configuration**

**1.1 5G QoS Model and Profiles**

**1.2 Default and Dedicated Bearers**

**1.3 Concept of Admission Control**

**1.4 Technical Specification**





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**2. NR Power Control**

2.1 5G Power Control Principles

2.2 DL Power Control

2.3 UL Power Control

**3. NR Adaptive Modulation and Coding**

3.1 NR AMC Principles

3.2 Downlink AMC

3.3 Uplink AMC

**4. NR Scheduling Parameters**

4.1 DL/UL Scheduling

4.2 Resource Allocation Type

4.3 Overview of DCIs for DL and UL

4.4 Allocation

4.5 HARQ Transmission Protocol and Feedback

**Evaluation and feedback of the participants**

Maximum number of participants: 15

Duration: 2 Hr. 58 Min.



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