

## **5G Core concepts**

**Duration: 3Days (24Hrs)**

### **Section 1**

5G Core General Architecture

Identify 5G core concepts

Identify the different types of identifiers used in 5G core

Identify the management and orchestration concepts

Identify the authentication authorization process

Identify how the unified policy framework works

Identify how the session management framework work

Identify how the access and mobility framework works

Identify the 5G Core charging architecture

### **Section 2**

5G Core Use Cases

Identify 5G core use cases

Identify voice or SMS use cases

Identify the concept of network slicing

Describe the role of network exposure in 5G core

### **Section 3**

EPC and 5G Core

Identify the benefits of 5G core over EPC

Describe 5G core tight interworking with EPC

Identify 5G core interworking with non-3GPP access

### **Section 4**

Service Based Architecture (SBA)

Identify the service-based architecture

Identify direct and indirect communication

### **Section 5**

Cloud Native

Identify the benefits of cloud-native deployment for 5G core

## Section 6

### Product Implementation

Describe the dual-mode 5G cloud core solution

Describe the converged charging system in 5G core

Describe the management and orchestration function

### *Prerequisites*

- *Knowledge of 4G and LTE technologies*
- *Understanding of 5G architecture and components*
- *Knowledge of 5G network slicing*
- *Understanding of 5G radio access network*
- *Knowledge of 5G core network*
- *Understanding of 5G security protocols*
- *Knowledge of 5G network optimization techniques*
- *Understanding of 5G network management and orchestration*

### *Who should take 5G courses?*

- *IT professionals looking to upgrade their skills*
- *Network engineers*
- *Telecom professionals*
- *Software developers*
- *Network architects*
- *System administrators*
- *Network technicians*
- *Wireless engineers*
- *Network security professionals*

*Anyone interested in learning about 5G technology and its applications can enroll for 5G Certification Training Courses. This includes IT professionals looking to upgrade their skills, network engineers, telecom professionals, software developers, network architects, system administrators, network technicians, wireless engineers, and network security professionals.*