

LTE IoT Solutions

COURSE OUTLINE



Course Details

Name: *LTE IoT Solutions*

Target Audience

This course is designed for participants who have certain degree of experience in mobile communication networks. Participants that would benefit by attending this course are Technicians, Sales/Marketing people and Project/Programme managers who are new in their role.

Training Objective

- By the end of the course, the participants will understand the different technologies developed by the 3GPP to support IoT devices.

Duration of Training: 1 Days

Prerequisite: General knowledge of LTE mobile communication networks.

Module List Detailed

Module 1: 3GPP IoT Solutions

Topics discussed in this module are listed below:

- 3GPP IoT Requirements
- 3GPP IoT Solutions
- Rel.12 Cat-0
- Power Saving Mode

Module 2: 3GPP IoT Solutions: EC-GSM-IoT

Topics discussed in this module are listed below:

- EC-GSM-IoT Introduction
- EC-GSM-IoT Coverage Extension

Module 3: 3GPP IoT Solutions: LTE-M

Topics discussed in this module are listed below:

- eMTC Cat-M1 Resources
- LTE-M Physical Channels
- Extended DRX (eDRX)
- eMTC Coverage Enhancement

Module 4: 3GPP IoT Solutions: NB-IoT

Topics discussed in this module are listed below:

- NB-IoT Devices
- NB-IoT Coverage Features
- Comparison of 3GPP IoT Devices
- 3GPP IoT Solutions Comparison
- NB-IoT: Physical Layer