

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