XCELERATE TRAINING INSTITUTE

your learning & development partner

TELECOMMUNICATION

4G LTE

DURATION	LANGUAGE	FORMAT
5 days	English	Classroom / Online

Upcoming dates

Dates	Venue	Format	Fee
1 – 5 Mar 2027	Live online	Online (live)	€1,600
13 – 17 Sep 2027	Live online	Online (live)	€1,600
11 – 15 Oct 2027	France	Classroom	€3,800

Register or ask a question

Online: x8ti.com/course/4g-lte/

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4G LTE

Introduction

The rapid growth of smartphones and increasing demands for higher data speeds have driven the evolution of mobile networks. LTE technology emerged as a response to these challenges, offering significant improvements over previous generations. This course delves into the intricacies of LTE, exploring its architecture, protocols, and performance enhancements.

Learning Objectives

This course by Xcelerate Training Institute aims to equip wireless professionals with a comprehensive understanding of LTE technology. Participants will gain expertise in LTE architecture, protocols, and performance metrics. The course emphasizes practical application and problem-solving skills through hands-on exercises and industry insights.

Training Methodology

The course employs a variety of teaching methods, including lectures, group discussions, case studies, and hands-on activities. Real-world challenges and industry best practices are integrated into the curriculum to enhance learning.

Benefits for Your Organisation

Organizations that invest in this course will equip their workforce with the skills needed to address the challenges of the ever-evolving wireless industry.Consequently, employees will gain expertise in LTE technology, thereby leading to improved network performance, customer satisfaction, and overall organizational success.As a result, employees will gain expertise in LTE technology, contributing to improved network performance, customer satisfaction, and overall organizational success.

Benefits for You

Participants will develop a deep understanding of LTE principles and technologies. The course enhances problem-solving and analytical skills, preparing individuals for advanced roles in the wireless industry.

Who Should Attend

This course is designed for engineers and professionals working in the wireless industry, including those involved in network planning, optimization, and operations.

Course Outline

The course covers the following modules:

Wireless Evolution:

Overview of wireless technologies, including 2G and 3G, leading to the development of LTE.

LTE Introduction:

Key features, architecture, and performance objectives of LTE.

LTE Protocol Stack:

In-depth exploration of LTE protocol layers, including RRC, MAC, RLC, PDCP, and NAS.

LTE QoS:

Quality of Service mechanisms and their role in LTE networks.

LTE PHY Layer:

Fundamentals of physical layer technologies, including modulation, coding, and multiple access techniques.

Log Analysis:

Practical exercises using Wireshark to analyze LTE network behavior

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Registration Form

4G LTE

Preferred dates: ..... Venue or online: .....

Duration: 5 days Language: .....

Please complete and email this form to us, or register online. We confirm your place and send the invoice within one working day.

Delegate information

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Official email: ..... Personal email: .....

Company information

Company name: .....

Address: .....

City / country: ..... VAT / tax number: .....

Person responsible for training & development

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Email: .....

Payment

☐ Please invoice me ☐ Please invoice my company

Signature: ..... Date: .....

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Register online
Open the course page