

## FUNDAMENTALS OF MOBILE TECHNOLOGY

*“Mastering the Core of Modern Mobility: Devices, Networks, Apps, and Ecosystems”*

### Schedule

| Venue (InHouse)               | Fees                  |
|-------------------------------|-----------------------|
| At Your Organization Premises | Ask For The Quotation |

► **Available delivery methods:** In-House Training

### Introduction

Mobile technology is at the heart of today’s digital landscape. From smartphones to smart wearables, mobile devices and platforms are transforming how people live, work, and connect. Organizations are leveraging mobile technologies to improve customer engagement, enable remote work, streamline operations, and offer innovative services.

This 5-day foundational training provides a complete understanding of the mobile technology ecosystem, covering device architecture, mobile networks, operating systems, applications, security, and future trends such as 5G and mobile edge computing. Participants will gain practical insights to build, manage, or optimize mobile-enabled solutions.

### Objectives

By the end of this course, participants will be able to:

- Understand the components of mobile technology including hardware, software, and connectivity
- Identify mobile network types and their evolution from 2G to 5G
- Explore mobile operating systems and app development basics
- Assess mobile security and data protection challenges
- Analyze how organizations can leverage mobile solutions to improve business performance
- Recognize the emerging trends shaping the future of mobile technology

## Why Attend

- Gain a clear, up-to-date understanding of how mobile systems work
- Learn how to evaluate and select mobile platforms for business and personal use
- Understand the implications of 5G and mobile computing for future innovations
- Access mobile strategy templates and security frameworks
- Build competency in navigating the mobile-first digital world

## Target Audience

This program is designed for:

- IT and telecom professionals
- Digital transformation and innovation leaders
- App developers and product managers
- Business analysts and marketing professionals
- Mobile solution consultants and project managers
- Anyone seeking to understand or implement mobile technologies

## Individual Benefits

Key competencies that will be developed include:

- In-depth understanding of mobile ecosystems and their architecture
- Knowledge of mobile platforms (Android, iOS) and app ecosystems
- Awareness of mobile connectivity, from 3G to 5G and Wi-Fi technologies
- Ability to identify and mitigate mobile security threats
- Strategic thinking in applying mobile tech for enterprise and consumer markets
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## Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Increased ability to design mobile-ready digital services
- Improved integration of mobile solutions into operations and customer channels
- Enhanced IT security posture through mobile risk management
- Readiness to capitalize on mobile-first business models and market trends
- Better-informed decisions on mobile infrastructure and investments

## Instructional Methodology

This course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Explore mobile platforms, networks, and enterprise mobility frameworks
- Case Studies – Real-world insights from mobile-first organizations and products
- Workshops – Hands-on exercises on mobile ecosystems, user experience, and planning
- Peer Exchange – Interactive group dialogue on mobile opportunities and challenges
- Tools – Checklists, mobile app strategy templates, and security risk evaluation guides

## MAWA EVENTS

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## Course Outline

### DETAILED 5-DAY COURSE OUTLINE (CUSTOMIZABLE)

**Training Hours: 7:30 AM - 3:30 PM Daily Format:** 3-4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 - 02:00

#### Day 1: Foundations of Mobile Technology

- Module 1: Evolution of Mobile Systems (07:30 - 09:30)
  - Mobile history: from analog to smartphones
  - Role of mobile tech in today's digital economy
- Module 2: Mobile Device Architecture (09:45 - 11:15)
  - Smartphones, tablets, and wearables
  - Components: processor, sensors, battery, OS
- Module 3: Operating Systems and Platforms (11:30 - 01:00)
  - Android vs iOS: structure, app ecosystems, updates
- Module 4: Group Exercise - Compare Mobile Platforms (02:00 - 03:30)

#### Day 2: Mobile Networks and Connectivity

- Module 1: Mobile Network Evolution (2G to 5G) (07:30 - 09:30)
  - Cellular generations, speed, latency, and architecture
- Module 2: Wireless Technologies (09:45 - 11:15)
  - Wi-Fi, Bluetooth, NFC, GPS, and LoRa
- Module 3: SIMs, eSIMs, and Carrier Systems (11:30 - 01:00)
  - Roaming, mobile data plans, and device provisioning
- Module 4: Workshop - Connectivity Strategy for Smart Devices (02:00 - 03:30)

#### Day 3: Mobile Applications and Ecosystems

- Module 1: App Types and Development Models (07:30 - 09:30)
  - Native vs hybrid vs web apps
  - App lifecycle and performance optimization
- Module 2: App Stores and Monetization (09:45 - 11:15)
  - Play Store and App Store mechanics
  - Freemium, ads, in-app purchases, and enterprise apps
- Module 3: UX/UI Design for Mobile (11:30 - 01:00)
  - Mobile-first design principles
  - Responsive design, accessibility, user flow
- Module 4: Case Study Review - Successful Mobile Products (02:00 - 03:30)

#### Day 4: Security, Privacy, and Enterprise Mobility

- Module 1: Mobile Security Essentials (07:30 - 09:30)
  - Mobile threats: malware, spyware, phishing
  - Mobile device management (MDM) and encryption
- Module 2: Privacy and Regulatory Considerations (09:45 - 11:15)
  - GDPR, app permissions, data handling best practices
- Module 3: Enterprise Mobility and BYOD Policies (11:30 - 01:00)
  - Managing mobile devices in organizations
  - Risk vs productivity: enterprise app deployment
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Module 4: Workshop – Design a Mobile Security Policy (02:00 – 03:30)

**Day 5: Future Trends and Mobile Strategy**

- Module 1: Emerging Technologies in Mobile (07:30 – 09:30)
  - 5G, edge computing, mobile AI, AR/VR
- Module 2: Mobile Strategy and Innovation (09:45 – 11:15)
  - Mobile disruption in industries: health, finance, retail
  - Planning for mobile transformation
- Module 3: Building a Mobile Roadmap (11:30 – 01:00)
  - Strategic alignment, user needs, and technology readiness
- Module 4: Final Review & Knowledge Assessment (02:00 – 03:30)

**Certification**

Participants will receive a Certificate of Completion in Fundamentals of Mobile Technology, confirming their practical understanding of mobile technologies, platforms, networks, and their application in enterprise and consumer domains.

**Why Choose MAWA Events**

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
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- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
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**In-House / Customized Training**

Interested in running this course for your team?

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