



Mobile Applications Development (Native)

People Develop Countries... We Develop P.E.O.P.L.E.

Program Admission Arrangements

Who May Apply?

- Graduates of:
 - All University Graduates may apply with minimum grade: Good

Prerequisites

These topics will be discussed with you in the interviews (Resources that applicants can visit or study before interview)

- OOP (Must)
- Data Structures & Algorithms (Must)
- Programming language Competency & Problem Solving (Must)
- Android App. Development (Plus)
- iOS App. Development (Plus)
- Resources: <https://maharatech.gov.eg>
- ITI values that could be found here: <https://iti.gov.eg/about-us>

Selection Process

- Phase 1: **IQ and Problem-Solving exam | English exam**
- Phase 2: **Technical Exam (C Programming, OOP, DB, Web Development→ Questions Level form basics to Intermediate)**
Computer-based technical exam in the field of your interest
- Phase 3: **Technical Interview**
Those applicants would be discussing with the interviewing panel their pre-work -“Before You Apply”- in a one-to-one interview
- Phase 4: **Interpersonal Skills Interview**
Those how pass phase 3 will be promoted to this interview

Delivery Approach

- 75% face to face Learning| 25 % Online
- Common Hardware
- Common Software

Students' Deliverables

- Each student must deliver at least ONE **freelancing** job and an international **certficate** based on his track



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1 Programs Offered

☑ Professional Training Program:

- Mobile Applications Development with AI Integration(Native)

☑ Intensive Code Camps:

- Android Applications Development with AI Integration Track
- iOS Applications Development with AI Integration Track
- Android Automotive Developer Track

☑ Online Services (MaharaTech)

2 Industry/Academy Stakeholders

- Apple

3 Targeted Outcome

• Employability

- Vodafone Egypt
- VOIS
- Orange Egypt
- MDI
- Etisalat Misr
- NBE
- Fawry
- Aman
- Valeo
- InstaBug
- Valu
- Khazna
- Deloitte

4 Certifications

- App development with Swift
- Associate Android Developer

5 Graduates Job Profiles

iOS Developer

iOS developers are required to develop mobile applications for different Apple mobile devices (iPhone, iPad...etc.) using Objective C or Swift programming languages and to be able to communicate with different backend technologies using REST APIs and to secure those mobile applications in a proper way.

Android Developer

Android developers are required to develop mobile applications natively using different google APIs over Java or Kotlin programming languages and to be able to communicate with different backend technologies using REST APIs and to secure those mobile applications in a proper way. Audits.



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Program Content Structure

Fundamental courses

- Track Orientation Workshop
- Operating Systems Fundamentals
- Computer Network Fundamentals
- Database Fundamentals
- Introduction to Software Engineering
- Introduction to Object Oriented Programming Concept
- Data Structures and Algorithm

Supporting courses

- Versioning Control Systems
- Java Design Principles and Patterns
- Agile Software Development Methodologies
- Introduction to Testing and automated unit test
- Introduction to Web technologies
- XML and JSON Essentials with Java
- Java API for Restful Web Service
- Freelancing Basic
- Mobile User Interface Concepts (UI)

Cross-platforms Courses

- Flutter Development
- Kotlin Multi Platform

AI Courses

- Intro to Generative AI and prompt engineering
- Vibe coding and working with Gen-AI APIs

Android Core Courses

- Developing Applications using Java SE
- Android Applications Development using Java
- Material Design
- Architectural Design Patterns for Android
- Rx Java for Android
- Kotlin Programming Language
- Android Applications Development using Kotlin
- Kotlin Coroutines
- Android Applications Unit Testing
- Dependency Injection In Android

iOS Core Courses

- Objective C
- Developing Applications for iOS using Obj.C
- Developing Applications for iOS using Swift
- Design Patterns for iOS
- iOS Applications Unit Testing
- Reactive programming for iOS
- Swift UI
- Dependency Injection in iOS

Soft Skills Courses

- Progressive Teamwork (Workshop)
- Professional Demeanor (Workshop)
- Communication Essentials for Professionals
- High Impact Presentations
- Job Seeking Skills

972 Hours

