

INTENSIVE CODE CAMP
SOFTWARE ENGINEERING
DEVELOPMENT FUNDAMENTALS
2024/2025

Be one of our Graduates Family

Track Overview

Information Technology Institute

People Develop Countries .. We Develop People



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-  +202-35355656
-  28 Km Cairo / Alexandria Desert Road,
B148 Smart Village, Egypt
-  Intensive Training Program
-  www.iti.gov.eg

SWE Development Fundamentals



DESCRIPTION

ITI Intensive Code Camp – Software Engineering Fundamentals Specialization – is a product based program that will empower you to learn the basics of software engineering, and we development and will qualify you to various specializations tracks to continue your learning journey.



WHO MAY APPLY

All University Graduates with prerequisites of passing admission examinations & interviews.



TRACK DURATION

402 Hours (learning and project).



DELIVERY APPROACH

Blended between Self paced, Synchronous Learning and Guided Practices with a Project Based Focused Journey.

20% Self-paced Learning | 30% Online Learning | 50% Guided Practices

BEFORE YOU APPLY

These topics will be discussed with you in the interviews:

- Interview will include general Computer Systems knowledge, General Web knowledge & General MS Office usage knowledge.

Candidates will have to complete the following prerequisite courses to join our program:

- Basic knowledge of Database & Programming.

<https://maharatech.gov.eg/course/view.php?id=740>

- Web Fundamentals:

<https://maharatech.gov.eg/course/view.php?id=36>

- ITI Values :

<http://www.iti.gov.eg/Site/AboutUs>

SWE Development Fundamentals



GRADUATE PROFILES

- Web & UI Developer
- CMS Developer



REQUIRED TOOLS

- Candidate must have a suitable laptop or pc and a stable internet connection.



TRACK PRACTICES

Candidates are working together in one of the following Suggested Projects:

- CMS Web Application

SWE Development Fundamentals



OVERALL LEARNING JOURNEY OUTLINE

34%

Software Engineering Foundation

Introduction to Programming using C
Object-Oriented Programming Concepts using C++
Data Structure and algorithms
Introduction to flowcharts and pseudocode
Introduction to Software Engineering

3%

Workshop

Introduction to Software testing workshop

17%

Computer Systems Foundations

Operating Systems Fundamentals
Introduction to Windows Operating system
Introduction to Linux Operating system
Computer networks Fundamentals

29%

Web Development

Intro to Web technologies (HTML & CSS)
JavaScript Fundamentals
Cloud Computing and Virtualization Foundation
Elective Course I
Elective Course II

10%

Softskills & Freelancing

Presentation Skills
Free Lancing
Communication Skills
Interviewing Skills