



Web & User Interface Development

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

Program Admission Arrangements

Who May Apply?

- **Graduates of:**
All University Graduates

Prerequisites

These topics will be discussed with you in the interviews (Resources applicants can visit or study before interview)
Candidates will have to complete the following prerequisite courses to join our program:

An Introduction to Programming could be found at Coursera: <https://www.coursera.org/learn/intro-programming>
or Computer Programming Tutorial at https://www.tutorialspoint.com/computer_programming/index.htm
Introduction to web Technologies could be found at MaharaTech: <http://bit.ly/2OGcLix>
or Udacity <https://classroom.udacity.com/courses/ud001>
Introduction to Database could be found at MaharaTech: <https://maharatech.gov.eg/enrol/index.php?id=740>
or Khan Academy <https://www.khanacademy.org/computing/computer-programming/sql>

Selection Process

- **Phase 1: IQ and Problem-Solving exam | English exam**
- **Phase 2: Technical Exam**
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 who 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 **certificate** based on his track



Web & User Interface Track

1 Programs Offered

- ☑ **Professional Training Program:**
 - MEAN Stack Developer
 - MERN Stack Developer
 - UI-UX Designer
- ☑ **Undergrads Summer Camps**
- ☑ **Online Services (MaharaTech, ITI Tech Leap)**

2 Industry/Academy Stakeholders

- N/A

3 Targeted Outcome

- **Employability**
 - Yodawi
 - Booking
 - Souq
 - EventBrite
 - Vezeeta.
 - Fawry
 - Aman
 - Valeo
 - _VOIS
 - EVA Pharma
 - Etisalat
 - Genwin
 - Link
 - Giza System
 - Sprinters

4 Certifications

HTML5, CSS3, JS (40 H)
ES6(2 H)
Angular(38 H)
MTA: Introduction to Programming Using HTML and CSS

5 Graduates Job Profiles

MEAN Stack Developer

Mean stack is one of the JavaScript stacks used by full-stack developers to create websites and web applications. Mean stack is the framework that supports programs written in JavaScript for server-side and client-side execution handling.

MERN Stack Developer

MERN is a full-stack application that adheres to the traditional 3-tier architectural pattern, which includes the front-end display tier (React. js), application tier (Express. js and Node. js), and database tier (MongoDB)

Frontend Developer

builds the front-end portion of websites and web applications using web languages such as HTML, CSS, and JavaScript

Full Stack Web Developer

can build both the front end and the back end of a website using different javascript libraries and frameworks like reactjs angular vuejs and nodejs .

UI-UX Designer

aims to create a positive user experience that encourages customers to stick with a brand or product. While a UX Designer decides how the user interface works, the UI designer decides how the user interface looks.



Web & User Interface Track

1014 Hours

Program Content Structure

Software Development Fundamentals

Data Structures and Algorithms
Database Fundamentals
XML Fundamentals
Introduction to Programming
Object-Oriented Programming Concepts

Software Design Essentials

Agile Software Development Methodologies
Devops
Introduction to Software Engineering
Object Oriented Analysis & Design using UML
Introduction to MS - Azure
JavaScript Design Patterns
JavaScript Unit Testing
IIS Administration
Source Control
Secure coding
Docker and Kubernetes Fundamentals
E-Business Fundamentals
Internet Marketing

Soft Skills Courses

Progressive Teamwork (Workshop)
Professional Demeanor (Workshop)
Best Practices For Remote Working (Workshop)
Communication Essentials for Professionals
High Impact Presentations
Job Seeking Skills

Frontend Web Development

Client-Side Technologies
HTML5 & CSS3
jQuery Fundamentals
Responsive Web Fundamentals
Responsive Web Design Frameworks
Material UI for React.js
Modern Responsive Web Design Frameworks
CSS Preprocessor
Vue JS
React JS
Next JS

MEAN Stack Development

Angular Fundamentals
Angular NgRx and Reactive RxJS
Node.js Fundamentals
Nest JS
NoSQL Database Fundamentals
Advanced JavaScript
JavaScript Modern Frameworks and Architecture
GraphQL API
Relational Database
ES.Next
PWA

UI/UX Concept and Technologies

UI/UX design Principles
Design Thinking
Adobe Photoshop Web
Adobe Illustrator Web
Adobe XD
Design Elements and Prototype
Visual Design For Web

