Professional Development & BI-infused CRM

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

Program Admission Arrangements

Who May Apply?

- **All University Graduates especially Computer Science and Engineering Graduates and Applicants willing to expand their skills and knowledge.**

Prerequisites

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

- **An Introduction to Programming by studying this course at Coursera "An Introduction to Programming"** https://www.coursera.org/learn/intro-programming
- **Computer Programming Tutorial at** https://www.tutorialspoint.com/computer_programming/index.htm
- **Intro to SQL: Querying and managing at** https://www.khanacademy.org/computing/computer-programming/sql
- **other resources that you prefer Web Fundamentals at** http://www.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

- 20% Self-paced | 40% Online | 40% Guided Practices
- Project Based Focused Journey
- Your Mentor supports throughout all the learning journey

Students' Deliverables

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

Professional Development & BI-infused CRM Track

1 **Programs Offered**

☑ **Professional Training Program:**
  - Professional Web Developer & BI

☑ **Intensive Code Camps:**
  - NET Full stack Development
  - PowerBI Developer
  - MEAN Stack Developer

☑ **Undergrads Summer Camps**

☑ **Online Services (MaharaTech, ITI Tech Leap)**

2 **Industry/Academy Stakeholders**

- AAIB
- Microsoft

3 **Targeted Outcome**

- **Employability**
  - VOIS
  - Orange Egypt
  - Link Development
  - Etisalat Misr
  - MidBank
  - AlexBank
  - Khatib & Alam
  - Fawry
  - Aman
  - Takseet
  - Cross Workers
  - EJada
  - Valeo
  - CyShield
  - Giza Systems
  - Deloitte
  - Obeikan
  - Noon
  - EFGHerms
  - IBM

4 **Certifications**

Data analyst (Microsoft certificate)
Exam 70-778: Analyzing and Visualizing Data with Microsoft Power BI
Analyzing Data with Microsoft Power BI
MS (AZURE)
Amazon (AWS)
Exam 70-467: Designing Business Intelligence Solutions with Microsoft SQL Server
MCSE: Business Applications(CRM Dynamics)

5 **Graduates Job Profiles**

Microsoft .Net Full Stack Web Developer
is a programmer or technical person who can work within the software development process and is knowledgeable in the application's front and back end. In addition, a full-Stack .Net Developer must have good knowledge of databases, server configuration, and user interface**.**

Microsoft Cloud Application Developer
Microsoft Cloud Application Developer is not a specific person but rather a role-based certification offered by Microsoft. It is designed for developers who create and maintain cloud applications on Microsoft Azure

Microsoft CRM Dynamics Developer
A Microsoft Dynamics CRM Developer is a professional who specializes in tailoring and enhancing the Dynamics CRM/ERP platform to meet specific business needs1. Microsoft Dynamics is a suite of customer relationship management (CRM) and enterprise resource planning (ERP) application.

Business Intelligence Developer
a professional who has expertise in business intelligence. Business intelligence (BI) is the process of analyzing data to help organizations make informed decisions.

Frontend Developer
A Front-End Developer is someone who creates websites and web applications. The difference between Front-End and Back-End is that Front-End refers to how a web page looks, while back-end refers to how it works.

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1071 Hours

Program Content Structure

Software Development Fundamentals & Essentials
- Operating Systems Fundamentals
- Introduction to Computer Networks & Cyber Security
- Data Structures and Algorithms
- Database Fundamentals
- Introduction to Programming
- Introduction to Software Engineering
- Object-Oriented Programming Concepts

Front End & Mean Stack
- Client-Side Technologies
- HTML5 & CSS3
- Responsive Web Fundamentals
- jQuery Fundamentals
- Angular Fundamentals
- Node.js Fundamentals
- MongoDB
- ES.Next
- Advanced JavaScript
- Type Script

.Net Core & Web Application Development
- IIS Administration
- Visual C# .Net
- Advanced SQL Server Programming
- Language Integrated Query(LINQ)
- Universal Windows Platform
- ASP.Net Core MVC
- ASP.Net Core Blazor
- ASP .Net Web APIs
- Introduction to gRPC on .Net Core
- ASP.Net SignalR
- Entity Framework 6 & Core
- Introduction to MS - Azure
- Microsoft Azure DevOps
- Microsoft Azure Developer

Software Design Methodologies
- Agile Software Development Methodologies
- Introduction to Devops
- Object Oriented Analysis & Design using UML
- SOLID Design Principles & Implementations
- Unit Testing
- .NET Design Patterns
- Source Control
- Secure Coding Essentials

Business Intelligence
- Microsoft SQL Server - Business Intelligence
- Power BI
- Introduction to Data Mining Algorithms
- Introduction to Data Warehouse
- Elective Course (Calculus & Statistics Concepts)

Microsoft Dynamics CRM
- Power Platform & Dynamics 365 CE (CRM)
- Advanced Power Platform & Dynamics 365 CE (CRM)
- Power Apps
- Dynamics 365(Sales, Customer Service)

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

AI Courses
- Introduction to Generative AI and prompt engineering
- AI-powered Coding Assistant tools
- Developing Gen-AI-based software

Pie chart:
- Software Development Fundamentals & Essentials 18%
- Front End & Mean Stack 20%
- Net Core & Web Application Development 30%
- Software Design Methodologies 8%
- Business Intelligence 12%
- SoftSkills 4%
- Microsoft Dynamics CRM 4%
- AI Courses 4%