

EME IH Internship Program

Internship Program is a project based Learning created by Egypt Makes Electronics Innovation Hub Borg the Program Sponsored by ITIDA & Managed by Ideospace.

Objectives :

1. Qualifying students and graduates through theoretical and practical courses.
2. Blended between Self-paced, Synchronous Learning and Guided Practices with a Project Based Focused Journey.
3. Offered EME IH Labs to work with startup and real industrial projects
4. Matchmaking between University curricula and the job Market

Project based Learning Tracks:

1. Fabrication Technology Track 30 hrs
2. Printed circuit board (PCB Track) 24 hrs
3. Internet of Things (IOT Track) 50 hrs
4. Machine Learning (ML Track) 50 hrs
5. Engineering business track 30 hr

Tracks Outlines

1. Fabrication Technology Track 30 hrs

How to Get Started with Digital Fabrication
Computer Aided Design
Computer Aided Manufacturing
G-Code and Rendering
Additive manufacturing
Cutting machines

2. Printed circuit board (PCB Track) 24 hrs

Basics of Electronics
CAD tool: Altium designer.
PCB fabrication, assembly, and testing

3. Internet of Things (IOT Track) 50 hrs

IoT Value Chain
Interfacing Sensor With ESP32
Wireless communication and IOT Protocol
IOT Application Protocol
IoT Security and IoT Pretesting

4. Machine Learning (ML Track) 50 hrs

Introduction (Machine Learning- Python - Linux)
Supervised learning (Regression- Decision tree)
Supervised Learning(SVM – Ensemble Models)
Cont.+ supervised Learning
Deep learning

5. Engineering business track 30 hr

Business Model Canvas
Strategic management
SWOT Analysis – TOWS MATRIX
The Strategic Sweet Spot

Connect us

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