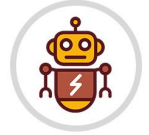


Trained more than  
Students & Professionals  
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**2,00,000+**

**MERTXE**



EMBED YOUR FUTURE WITH INDIA'S LEADING

# EMBEDDED SYSTEMS & IoT

EdTech

Course Mode

Duration

Online

Offline

6 Months



A CAREER GUIDE TO BECOME AN

# EXPERT IN

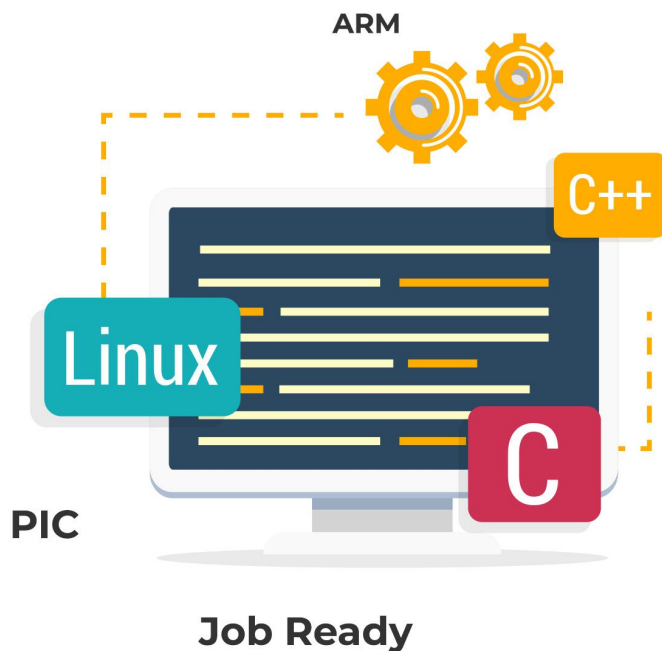
EMBEDDED SYSTEMS & IoT

**1200+** Core Placement  
Companies

INDIA'S NO.1, EDTECH IN EMBEDDED SYSTEMS AND IoT COURSES

# EMBEDDED SYSTEMS – COURSE OVERVIEW

**GOAL :** Transform engineers with skill-gap into ready-to-deploy engineers with organizations working in the domain of Embedded Systems.



- » **Course Mode :** Online / Offline
- » **Duration :** 6 months
- » **Classes :** Live Virtual / Physical
- » **Labs :** Live Interventions / Physical
- » **Hardware :**
  - Simulators (PICSimLab / QEMU)
  - Physical Boards (PIC / ARM)
- » **Projects :** 7 to 8 Industry Projects
- » **DISHA :** Resume + Prep Workshops
- » **Placements :** **2 Years** Unlimited Chances

# EMBEDDED SYSTEMS – SKILLS & PROFILE

**GET-EXPOSURE :** Know about programming / OS / Peripherals / Interfacing / Applications



## EMBEDDED – CORE MODULE

- » Linux Systems
- » Advanced C Programming
- » C++ Programming
- » Data Structures and Algorithms
- » MC programming using **PIC**
- » Linux Internals & **TCP/IP** Networking
- » Embedded Linux on ARM



## BUILD YOUR EMBEDDED PORTFOLIO

- » Complete Embedded skill-set
- » Problem Solving Skills
- » **7-8** Industry Projects
- » Programming & interfacing with **PIC**
- » Multi-tasking Applications using Linux
- » IDE / Development tools
- » Open S/W (**Ex: Linux skills**) & Open H/W (**Ex: BeagleBone Black**)

“Get-hands-on” : Electronics & Embedded

<http://www.emertxe.com/trainings/embedded/>



# EMBEDDED IoT- COURSE OVERVIEW



**GOAL :** Transform engineers with skill-gap into ready-to-deploy engineers with organizations working in the domain of IoT.

- » **Course Mode :** Online / Offline
- » **Duration :** 6 months
- » **Classes :** Live Virtual / Physical
- » **Labs :** Live Interventions / Physical
- » **Hardware :**
  - Simulators (PICSimLab / Linux)
  - Physical Boards (Arduino / RPi)
- » **Projects :** 7 to 8 Industry Projects
- » **DISHA :** Resume + Prep Workshops
- » **Placements :** **2 Years** Unlimited Chances

\* IBM watson, Amazon IoT platform, Microsoft Azure platforms shall be used during the course delivery

## EMBEDDED IoT – SKILLS & PROFILE

**GET-EXPOSURE:** Know about Sensor / Device / Network / Cloud / Applications / IoT Protocols



### EMBEDDED – FULL STACK IOT

- » IoT Architecture
- » Setting up IoT workflows
- » Advanced C Programming
- » Micro-controller programming using Arduino
- » Python Programming
- » Building IoT applications using Raspberry Pi / Linux
- » IoT Cloud Infrastructure Performance and Security in IoT

“Get-hands-on” : Electronics & Embedded



### BUILD YOUR RESUME – IOT DEVELOPER

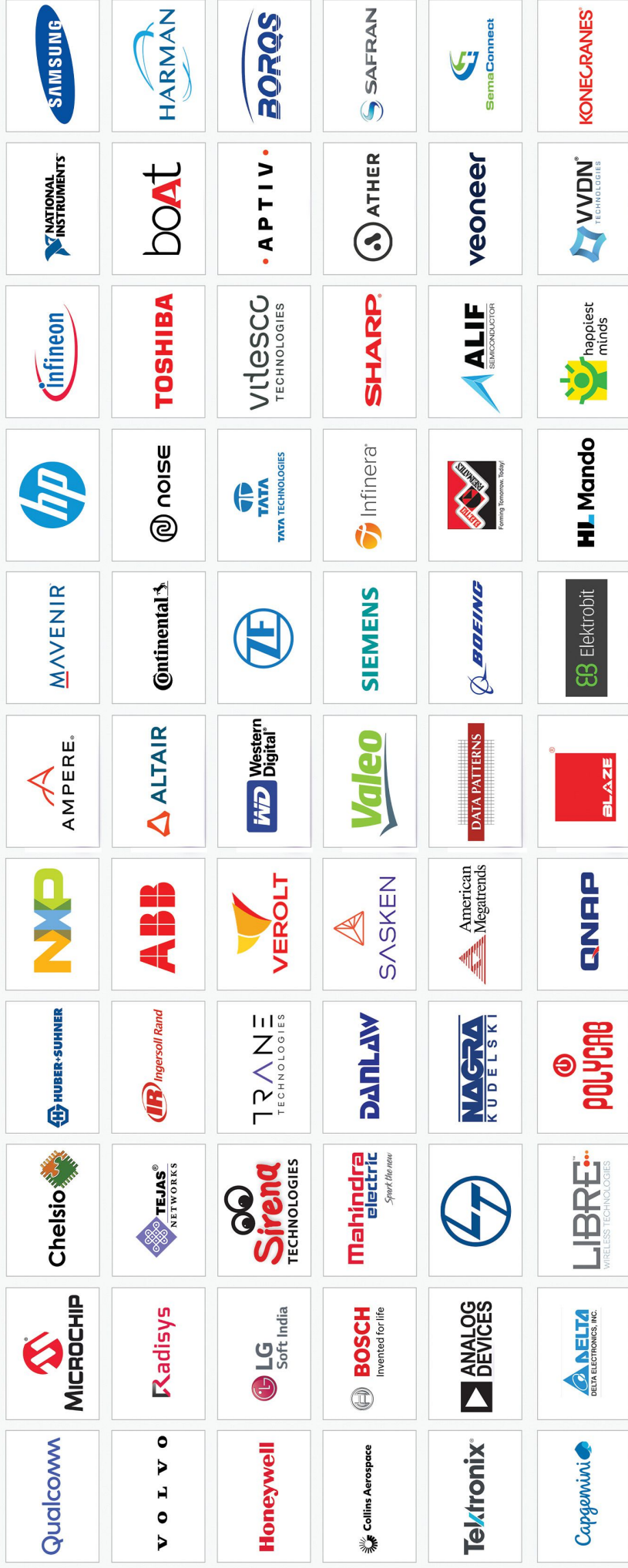
- » Complete Embedded IoT skill-set
- » Problem Solving Skills
- » 7-8 IoT Projects
- » Ability to program interface with devices to a controller / gateway
- » IoT protocols & integration knowledge
- » Open S/W (Ex: Linux skills) & Open H/W (Ex: Raspberry-pi)
- » IDE / Development tools

<http://www.emertxe.com/trainings/iot-internet-of-things/>



# Placement Partners

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## PLACEMENT ORIENTED COURSES

- » Emertxe Certified Embedded System Professional
- » Emertxe Certified Embedded IoT Professional
- » Emertxe Certified IoT professional

**Course Mode**  **Duration** 

**Offline** 

**Online** 

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