

Embedded IOT Systems Course -003



(Intermediary Level 003)

Objective

Objective of this course is to build on the knowledge and experiences gained from the Entry Level 001 and Intermediary Level 002 courses. It is therefore advisable to have attended these courses before embarking on this one. It is essentially an introduction to IOT systems. You learn how two or more devices communicate with each other via Wired Serial Bus and RF without human intervention or interaction. (This course is a precursor to the Embedded IOT Systems Level 4 Course where communication via the Internet is taught)

Preamble

About This Course: Embedded IOT Systems unique architecture and flexible development environment enable engineers and enthusiasts to design, develop and build systems (electronic devices and modules) within a relatively short time. In this hands-on course, you gain extensive experience with advanced simulation techniques, complex electronics design protocols, schematic capture proper documentation, advanced C programming. You learn to build your own master slave embedded systems assembled in quality plastic enclosures which you take with you at the end of the course. Each participant will be supplied with a laptop during the course duration, fully configured with all the necessary software development platform. For those who prefer to use their own laptops all the training software will be loaded onto them.

	
Example Embedded Computer System - The Inside	Example Embedded Computer System - The Outside

You Will Learn

Topic	Days
• RF devices and modules	5
• Digital and Analogue Electronics	4

- RF Interface Techniques 5
- Logic Concepts in Electronics 5
- Layers and Protocols 5
- Tools 3
- Embedded C interface programming 5
- Design and build your own project selected from a suitable list 5t

Important Course Information

This course is suitable for the following clientele::

- Those who have passed the Entry Level 001, Intermediary Level 002 Programmes successfully
- University Graduate, College or Polytechnic Software programming background
- Sound knowledge of electronics design principles
- Manufacturers who want to enhance product quality and explore new lines
- Engineering Consultants

Basic Requirements

- Advance knowledge of electronics principles and circuit techniques
- Advance Logic and Binary Arithmetic
- Conversant with the C programming language
- Good communication skills

Course Outline

Location

611 Link Road
P.O. Box LT226
Lartebiokorshie
Accra, Ghana

Tuition Fee

GHs 2495

How To Contact Us

Tel:0302 959055
Mob: 0200835401

Training

Hands-on Electronics Design training
Hands-on Software training
Hands-on product build and test