Embedded Systems Course -001

(Intermediary Level Level 002)

Objective

Objective of this course is to build on the experience gained from the Entry Level 001 course. It walks through with participants the labyrinth of knowledge essential for electronics product development – from concept to market. This intermediary course touches on disciplines such as Requirements Capture, Environmental Tests, Tolerance or Risk Analysis, Electronics Design Techniques. At the same time it will liberate the future creating enhanced ownership and preparing them for an active role in world transformation.

Preamble

About This Course: Embedded computer 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 simulation techniques, electronics design, schematic capture proper documentation, C programming and its object-oriented features to intermediary level You learn to build your own embedded system assembled in a quality plastic enclosure 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
• Intermediary Electronics Principles	5
• Digital and Analogue Electronics	4

- Interface Techniques and Simulation   5
- Logic Concepts in Electronics   5
- Embedded Systems Architecture   5
- Tools   3
- IDE   2
- Embedded C 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 Programme succesfully
- University Graduate, College or Polytechnic Student with Science, Maths, Engineering or Software programming background
- SSS Student
- Futurist with creative ideas
- Enthusiast
- Manufacturers who want to enhance product quality and explore new lines
- Engineering Consultants

Basic Requirements

- Knowledge of electronics principles and circuit techniques
- Logic and Binary Arithmetic
- Some knowledge of software programming
- Good command of the English language

Course Outline

Location

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

Tuition Fee

GHs 2495

How To Contact Us

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Training

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