

Embedded Systems Design (Practical Oriented Training)

Course Content:

- 1. Introduction to Embedded systems**
- 2. System on chip fundamentals**
- 3. 8051 Architecture**
- 4. ARM Architecture**
- 5. Cypress Programmable system on chip (PSoC) overview**
 - PSoC architecture
 - Peripherals
- 6. PSoC Designer Flow**
 - Hardware Project creation
 - Software application
- 7. Source Code Programming**
 - C Code Fundamentals
 - Source code developing
- 8. Programming and debugging**
 - Programming of PSoC3/5
 - USB Boot Loader
 - Debugging using JTAG
- 9. Implementation sample designs using PSoC**
 - LCD Display
 - LED and Switch Interface
 - UART Interface
 - PWM and Stepper Motor Control.
- 10. Hands on Examples with each Development Kit**

Course Fee: Rs.15, 000/-

IETE Member: Rs.10, 000/-

Student: Rs.5, 000/-

Note: *Fee excluding Taxes (GST 18% as per Government Norms)

Course Duration: 10 Weeks

Timing: 10:00 AM to 1:00 PM (Only on Sunday)

Commencing from Sunday,15th Jan 2023.

Venue: IETE, Bellary Road, Ganganagar, Bangalore- 560 032

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