About the course Embedded System Design

(Special batch for working professionals)

Course Material: CD contains all the demo software, PPTs, one book
Every day 02 hrs (6.00 pm to 8.00 pm) for 05 day (Monday to Friday)

Course contents:

Module 2: Architecture (89C51), Instruction set, memory structure, Introduction to “Keill cross-compiler and sample programs. Display device interfacing (LED’s, 7-segment LED’s, and LCD)

Module 3: Switch interfacing, matrix keyboard interfacing, interfacing of Keyboard with LCD and seven segment LED’s. Timers and Counters programming.

Module 4: Serial communication and its programming, ADC, DAC and stepper motor interfacing,

Module 5: I²C interfacing for RTC. Remote control interfacing. Project design concepts. Selection criterion for Microcontrollers.

Module 7:
REAL TIME OPERATING SYSTEMS
Linux Basics: An Overview of Red Hat/Fedora Core Linux, Installing Red Hat/Fedora Core Linux, Getting to Know Red Hat Linux, Linux commands Task and Task States, tasks and data, semaphores and shared Data Operating System. Services-Message queues-Timer Function-Events-Memory Management, Interrupt Routines in an RTOS environment, basic design Using RTOS. Porting Linux and RTLinux using ARM9 board. (Philips or, Cirrus Logic)

Note: We conduct the practical and assignments on actual hardware and uses Embedded “C” for programming.

For detail information mail to: dns@instru.coep.org.in
Contact on: 09822888944/ 02025507189
REGISTRATION FORM
Embedded System Design

1. Name: __________________________________________
2. a. Designation: ____________________
   b. Institute: ________________________ ________________________________
3. Mailing Address: __________________________
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                            __________________________________
4. E-mail: __________________________________________
5. Phone (O) (R)
6. Educational Qualifications: _____________
                            __________________________________
7. Experience: __________________________

Date:
Place: Signature of the Applicant