

Course Name: **Designing with Microcontroller (Embedded Controller)**

Course fee : **Rs.5000/-** + service tax

Starting Date : **15-6-2015**

Finishing Date : **10-7-2015**

Student Eligibility : **Diploma, Engineering Graduate/PG**

Course duration : **One month**

- Processor Architecture (Princeton and Harvard)
- RISC & CISC Microcontrollers Features & Memories
- Internal Architecture
- Addressing Modes
- Instruction Set
 - Data Movement Instructions
 - Memory Instructions Arithmetic
 - Bit Operation Instructions
- Hardware Features
 - Reset & System Clock / Oscillators Timers,
 - Input Capture & Output Compare Modes,
 - Watchdog Timer, Timer/Counter
- Interfacing LED's, Switches & LCD Parallel Interface, ADC and DAC.
- Serial Interface through RS232, I2C
- SPI Communication
- CAN Interface & USB Interfacing