School of Electronics Engineering

Department of Embedded Technology in association with PANTECH
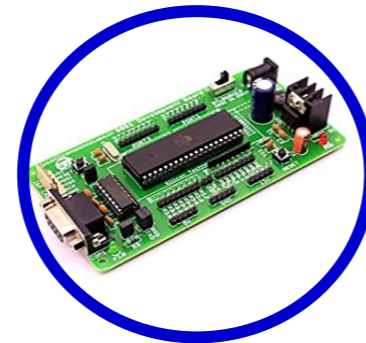
5 Weeks Industry Internship on

Microcontroller based System Design

ONLINE Class (7:00 PM—9:00 PM)

Week 1 (13/6/22—17/6/22)

- Programming 8051 Timers
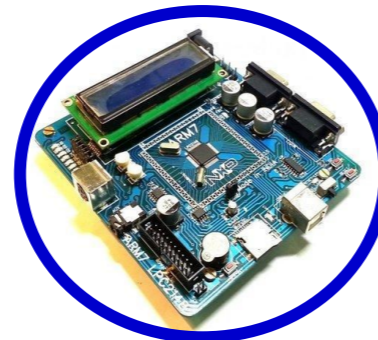- Serial Port Programming
- Interrupts Programming

Week 2 (20/6/22—24/6/22)

- LCD & Keyboard Interfacing
- ADC, DAC & Sensor Interfacing
- External Memory Interface- Stepper Motor and Waveform generation

Week 3 (27/6/22—1/7/22)

- RISC vs CISC
- ARM Processor
- Overview of LPC2148

Week 4 (4/7/22—8/7/22)

- Timers/Counters
- UART, PWM, WDT, SPI, I2C, CAN, LED, Switches, ADC, DAC, LCD
- Bus Standards (USB, PCI)
- Programming in Assembly and Embedded C

ON CAMPUS hands-on Training for 5 days

ONCAMPUS Class (9:30 AM—4:30 PM)

Week 5 (11/7/22—15/7/22)

- One day PCB Design of 8051 Microcontroller
- One day Industrial Visit *
- Hands-on Training at VIT, Vellore

Eligibility: 2nd year and 3rd year B. E/B. Tech & Diploma Students

Starting from

13th June, 2022 (Monday)

Registration fee: **Rs. 1500/-** Inclusive of 18% GST

Registration Link: https://events.vit.ac.in/

* with Additional Charges for the Interested Candidates

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