Report on
Workshop on Proteus Simulation

The Proteus Design Suite is an Electronic Design Automation (EDA) tool including schematic capture, simulation and PCB Layout modules. Proteus Design Suite is widely used for Microcontroller Simulation like PIC, ATMEL (AVR and Arduino), 8051, ARM-Cortex-M3, NXP 8051, ARM7, Texas Instruments MSP430, PICCOLO etc. and PCB design. If you have expertise on Proteus Design Suite it will easy to verify results in simulation.

Program Outline:

This two day workshop aimed at enhancing knowledge and hands on Proteus Design Suite for ARM7 LPC2148 Microcontroller. The contents of this workshop included:

1. Introduction of Proteus and Advantages of using Proteus
2. Basic Command and Component Selection in Proteus
3. Proteus Design for different small projects like LED blinking, Switch, Stepper Motor etc.
4. Proteus Design for different Peripherals like ADC, DAC, LCD, Timer etc.,
5. Proteus Design for PCB Layout and Schematic Placement of Different Components

The workshop commenced with felicitation of speaker Mr. Tushar Jankar. Speaker has started his session with introduction and advantage of Proteus for microcontroller simulation. After that speaker has cover hands on session on Proteus and Basic component selection and different projects simulation

Outcomes of the Workshop:

The M. Tech Electronics Students, 10 Third Year and faculty members have learned Proteus Design Tools, Simulation of rojects, PCB layout making with Schematics.

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