ELECTROVERT 2018

EVENT STRUCTURE

Microcontroller based programming event:

The event will be a whole day event. It will cover the questions which will test the knowledge of students about embeddded systems and 8051 microcontroller.

- Each team will be consisting of 2 members.
- Expected count of entries for the event is about 60.
- Entry fee will be 100(1st round) + 50(2nd round)
- Event will be conducted in 3 rounds

❖ Event Structure:

- **Round 1-Multiple Choice Questions: (10:30am to 11:00am)**
  It will be objective test consisting of 40 questions and allocated time will be 30 minutes. 20 questions will be on 8051 microcontroller and its features while remaining 20 will be on Design of Embedded systems.
  Topics- Assembly language instructions, Architecture (RISC & CISC), peripherals etc.

- **Round 2-Rapid programming and program debugging: (1:30pm to 2:15pm)**
  We are thoughtful of shortlisting of 25 teams for this round. There will be 3 questions in this round and will last for 45 minutes. From those 3 questions 1 must be solved by assembly language programming style and 2 can be solved by C programming style. Results will be observed on KEIL and Proteus softwares. This round will be held in ESM Lab of Electronics Department.

- **Round 3-Hardware implementation of problem: (4:30pm to 5:30pm)**
  We will shortlist 'Top-8' teams for finale. They will be given only one complex problem statement and allocated time will be 1-hour. This round will be held in ESM Lab of Electronics Department. Respected Professors from WCE will judge this round.