

MICROCONTROLLERS

REPORT

The course is concerned with technical and pedagogical aspects of teaching Microcontroller-based courses in rapidly changing technological environment. A decade ago, embedded systems were primarily based on 8-bit microcontrollers. However, nowadays embedded systems have become very complex. A tentative topical outline is as follows, but it is open to change based on the needs of the participants.

1. Overview of technological Changes and its impact on teaching on embedded systems.
2. Microcontrollers:
3. FPGA, Verilog, ANCI C and 8051 C
4. Serial Communication
5. Teaching microcontrollers to non-electrical majors using Arduino Participants will have an opportunities to discuss various issues – technical as well as pedagogical. Most topics will include presentation, discussion, and hands-on experience.

This year the workshop was organized on **16th and 17th of June 2014** by the **Department of Electronics and Communication Engineering** under the supervision of **Dr.T.Jagannadha swamy**, Professor & Head.

(Dr. T.Jagannadha swamy)
Professor & HoD ECE

Mr.KNB.Kumar
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