A FAST TRACK HANDS-ON COURSE ON AVR MICROCONTROLLER PROGRAMMING, INTERFACING AND APPLICATIONS IN C

This course will teach you how to use microcontrollers in real-life applications using the C language. No prior background in microcontrollers or C is required. Each candidate attending this course will be provided with LOGICMACS AVR MICROCONTROLLER Trainer Boards consisting of a mother board and a daughter board shown below. The motherboard is used to program the ATMEGA16 microcontroller via the USB port of a computer. The daughter board consists of a number of modules: LED, LCD, seven-segment, DAC, Serial interfacing, HEX keypad, push buttons, toggle switches, potentiometers and LM35 temperature sensor.

The MOTHERBOARD and DAUGHTER BOARD will be the PROPERTY of EACH participant

Course Outline
- Practical demonstration of the trainer boards.
- ATMEGA 16 and C basics.
- AVR STUDIO 4, program compilation and downloading
- ATMEGA 16 architecture and core modules
- LED module programming
- LCD module programming
- Seven segment module programming
- Hex keypad programming
- DAC programming
- Serial port programming and interfacing
- Toggle switches and push button module programming
- ADC programming and application
- PC interfacing and Applications

Course Details
- Instructor: Dr. Fawad Ahmed
- Course Fee: 12,000/-
- Course duration: 12 hours
- Dates: 6th, 7th and 8th September, 2011
- Venue and Registration: RASTEK TECHNOLOGIES, C-15, Classic Centre, Block-16, Gulshan-e-Iqbal, Karachi Ph: 0213-4993810
- Contact information
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  Mr. Zahid Mehmood   Email: zahid@logicmacs.com   Phone: 03343349562

Note: To ensure the availability of the trainer boards from Day 1 of the course, please register by August 25, 2011.