

## VLSI DESIGN LAB

1. VLSI SPARTAN 3E XCS250E
2. ARM SM LPC2148 KIT
3. DIGITAL ELECTRONICS LAB
4. COMMUNICATION LAB
5. SYSTEM DESIGNING LAB



### *Introduction:*

FPGA Offers more advantages than conventional Micro controller & Microprocessors for implementing dedicated jobs. These IC are also cost effective. The VLSI Board based on XILINX XCS500 E.

### *Specifications:*

- FPGA Operating at 20 MHz
- Two 4MB RAM is available for user XCH04S.
- 26 pin FRC connector for user interface.
- 9 pin D-Type connector for RS-232 interface.
- One timer and one external interrupt.
- Programs download from kit to PC using JTAG with XLINX Software.
- On Board USB Connector for USB device interface.
- On Board DIP Switch used for Logical Operations and input switches.
- On Board 8LED's for Displaying Output over DIP Switch
- It has 208 Pin Package.
- The preferred language is Verilog (or VHDL).



### **SM MICRO SYSTEM**

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