

<i>Department of Electronics and Communication Engineering</i> <i>Shri Jayachamarajendra college of Engineering, Mysuru-570006</i>			
DSP, VLSI and Microcontrollers Lab			
Staff In-Charge : <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> VLSI Lab DSP Lab Microcontrollers Lab </td><td style="width: 50%; vertical-align: top;"> : Dr S B Rudraswamy Assistant Professor : Prof. Halesh MR Assistant Professor : Prof B A Sujatha Kumari Associate Professor Prof. Shashidhar R Assistant Professor Dr. Shankaraiah Professor Prof. B S Renuka Associate Professor </td></tr> </table>		VLSI Lab DSP Lab Microcontrollers Lab	: Dr S B Rudraswamy Assistant Professor : Prof. Halesh MR Assistant Professor : Prof B A Sujatha Kumari Associate Professor Prof. Shashidhar R Assistant Professor Dr. Shankaraiah Professor Prof. B S Renuka Associate Professor
VLSI Lab DSP Lab Microcontrollers Lab	: Dr S B Rudraswamy Assistant Professor : Prof. Halesh MR Assistant Professor : Prof B A Sujatha Kumari Associate Professor Prof. Shashidhar R Assistant Professor Dr. Shankaraiah Professor Prof. B S Renuka Associate Professor		
Technical / Supporting Staff : <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> Poornima Instructor Umashankar Lab Helper </td><td style="width: 50%;"></td></tr> </table>		Poornima Instructor Umashankar Lab Helper	
Poornima Instructor Umashankar Lab Helper			
Facilities Available : 1. Standard PCs meeting specifications to support modern application softwares. 2. MS Windows and GNU Linux OS. 3. Computers connected to internet and campus-wide LAN or wifi. 4. Software- Cadence, Keil, Filp,C, C++,Matlab, Xilinx, Verilog, VHDL,C/C++ Compilers. 5. HDL Trainer Kits, Microcontroller kits and DSP trainer kits .			
Utilization : This lab is equipped with 50 computers. It provides more opportunities to students. This lab complements the course VLSI Circuit design and VHDL and Verilog Programming. The laboratory provides details about basic CMOS analog integrated Circuit Design, simulation and testing techniques. The students are exposed to solve more industry complex digital circuits. This laboratory also familiarizes the students with software and hardware aspects of the 8051 and ARM microcontrollers and provides skills of programming methodology using embedded C .They will also learn about interfacing various hardware			

to understand the practical applications.

The students also focus on implementing different signal processing algorithms on computers as well as DSP boards. The lab has MATLAB software installed and trains the students in using this powerful computer application in various aspects of engineering.

Totally this lab focuses on improving programming skill of Electronics Students.

