

- **LABORATORY NAME: MICROPROCESSOR LAB (Room No.132)**

- **DESCRIPTION OF LAB :-**

The main objective of the Microprocessor lab facility is to enable the students to gain practical knowledge about various types of microprocessors and microcontrollers and to develop their own programs and implement the same in microprocessors/microcontrollers for various applications in electronic and communication engineering. MP Lab is also equipped with embedded trainer kits and simulators for students to learn and develop embedded programming skills.

- **AVAILABLE RESOURCE HARDWARE**

Sr. No	Description
01	Arm-Cortex, wireless sensor network bluetooth, zigbee. GSM+GPS switching network, USB interface sensor,(humidity temperature distance motion light, audio, magnetic)compatible to linux & windows eclipse & ARM GCC,toolchain
02	Dell OptiPlex™ 3020 MT Desktop
03	DELL OPTIPLEX 780 DT INTEL CORE I3 2100 PROCESSOR
04	ARM CORTEX-M3 BASED BOARD CD.SDCARD.LED.RELAY A AND USB-UART INTERFACE
05	8051 TRAINER KIT, 8086 TRAINER KIT,8257 INTERFACING CARD.8255 INTERFACING CARD, 8279 INTERFACING CARD, ADC/DAC Interfacing Card, Stepper Motor, DC Motor
06	AC/DC VOLTAGE & CURRENT SENSOR
07	Educational Board for CORTEX M3 LPC 1786

- **AVAILABLE RESOURCE SOFTWARE**

1. 8086 Emulator
2. 8051 IDE Simulators
3. Keil uVision
4. Turbo C++

- **Any Other: MP lab is fully utilized by Electronics and Other department students on regular basis.**

- **Photo of Laboratory**

