

Date: 28/06/2010

Lab Information

- Lab Name - Microprocessor Lab
- Lab Area - 108 Sq. Meters
- Lab In-Charge - Prof. Ms. Hema Ajetrao
- Lab Attendant - Mr. V. D. Badhe

• **List of Hardware-**

Sr.No	Equipment	Quantity	Specification
1	Digital Trainer Kit	10	6IC, Sockets (zip) with 5V, regulated power supply with manual pulsar (2) Clock , 8 Bit, I/O.
2	Dy-8085 Kit	10	104Kb EPROM, 46 Parallel I/O Lines, 2KRAM,+12V,-12V,+5V,-5V,Power supply.
3	DY-8086 Kit	10	Low Cost 8086 Up Trainer with 32 KB EPROM & 32 KB SRAM.
4	DY-8251 Kit	05	Dyna Serial –Study of 8251
5	DY-88253 Kit	05	Dyna Timer –Study of 8253
6	DY8259 Kit	05	Dyna Intr.–Study of 8259
7	DY-ADC Kit	03	Study Card ADC-01,+12V,-12VPower Supply 8 Bit Card.
8	DY-DAC Kit	03	Study Card DAC-01,+12V,-12V Power Supply .
9	Switch Mode Power Supply(SMPS)	10	DMS SMPS -03A,-12V @0.5A +12V@ 1.0A,+30V@0.2A
10	Adaptor	10	DMS SMPS -01A,+5V @1A +12V@ 1.0A,-12V@0.5A
11	Cathode Ray Oscilloscope(CRO)	02	Oscilloscope 25mhZ(2CH-4Trace)
12	Computer System	01	1) 845Mother board , 256MB RAM,15”LG Monitor, Samsung Keyboard, Microsoft Mouse. 2) 15” Samsung Monitor, Logitech Keyboard, Microsoft Mouse, Intel Pent.P4 Processor.2.4GHz GVSR Mother board,80GB HDD Seagate,256 MB DDR RAM.

Sr.No	Component	Quantity	Specification
1	IC-7400	65	2 I/P NAND Gate
2	IC-7402	65	2 I/P NOR Gate
3	IC-7404	65	Hex Inverters NOT Gate
4	IC-7408	52	2 I/P AND Gate
5	IC-7432	65	2 I/P OR Gate
6	IC-7473	50	J-K Flip Flop with clear 7 complimentary O/P
7	IC-7474	50	D-Flip Flop with preset
8	IC-7483	40	4 Bit Binary Adder with Fast Carry
9	IC-7486	64	2 I/P Exclusive –OR Gates
10	IC-7490	75	Decade Counter
11	IC-74138	64	3 to 8 Lines Decoders
12	IC-74151	65	Data Selectors/ Multiplexers
13	IC-74194	65	4-Bit shift Register

