

KLS Vishwanathrao Deshpande Rural Institute of Technology, Haliyal
Details of Major Equipments, Computers, Softwares and Printers

Department Of Electronics & Communication Engg.			
Sl.No	Name Of the Laborotry	Major Equipments and Softwares	Quantity
1	POWER ELECTRONICS LAB	SCR, DIAC, MOSFET, IGBT Kit+ Meter unit (Uday Engineers)	2
		Forced Commutation Study Unit (Uday Engineers)	2
		Light Dimmer Circuit Using Triac (Uday Engineers)	2
		Half & Full wave Rectifier Using-UJT (Uday Engineers)	2
		UJT firing circuit- UJF (Uday Engineers)	2
		R-C Half & Full wave firing circuit- RFC (Uday Engineers)	2
		DC- Chopper Power Circuit [Jhones Chopper]+ Firing Unit (Uday Engineers)	1
		Single Phase Converter Power Circuit-230V/5Amps+ Firing Unit (Uday Engineers)	1
		Universal Motor/Induction Control Unit- 0.5HP/220V (Uday Engineers)	1
		Series Inverter (Shakthi Microcontrols)	2
Parallel Inverter (Shakthi Microcontrols)	2		

		Speed Control of DC Shunt Motor using single Phase Half Controlled Converter Power Unit-220V/5A (Shakthi Microcontrols)	1
		Universal Motor/Induction Motor Speed Control Using Single Phase AC Voltage Controller-230V/5A (Shakthi Microcontrols)	2
		Stepper Motor Control Unit(Shakthi Microcontrols)	2
		Loading Inductor 2A (Uday Engineers)	2
		Transformer Primary 0-230V Sec 0-30-60-115, 5Amps (Micro Electronics)	3
		Transformer Primary 0-230V Sec 0-30-60-115-230, 5Amps (Uday Engineers)	1
		Rehostat 150Ω/2A	4
		Rehostat 50Ω/2A	6
2	LOGIC DESIGN LAB	Digital IC Trainer Kit	10
		Analog IC Trainer Kit	10
		IC Tester (MinMax Electronics)	1
3	MICROPROCESSORS LAB	ALS Kit (ALS-SDA-86MEL)	10
		Key Board	14
		Power Supply 5v/2.5A	14
		RS-232 Cable	10
		Power Supply Cable	4
		Bus	2
		Stepper Motor	2
		Stepper Motor-NIFC01	2

		Segment Display- NIFC09	2
		Logic Controller- NIFC05	2
		Epson M100 Printer	1
		Brother Printer	1
4	AEC/PCS/LIC LAB	CRO(Aplab)	2
		CRO(Systronics)	10
		CRO(Scientific)	5
		Function Generators (Aplab)	8
		Function Generators (Testronix)	12
		Function Generators(Systronics)	9
		Fixed Power Supply (ALS)	9
		Variable Power Supply (Physitech)	5
		Variable Power Supply (Testronix)	2
		Inductance Box (Agarawal Electronics)	10
		Inductance Box (Uday Engg.)	5
		Resistance Box (Agarawal Electronics)	10
		Capacitance Box (Agarawal Electronics)	10
		Digital Multimeter (VISSO)	7
		Analog Multimeter (VISSO)	2
		LCR Meter (VISSO)	1
		DC MA Meter (VISSO)	5
		DC Volt Meter (VISSO)	5
		AC Volt Meter (VISSO)	3
		AC Ampere Meter (VISSO)	2
DC μ A Meter (VISSO)	6		
DC Ampere Meter (VISSO)	3		

5	ARM / DSP LAB	Moniter Acer	21
		Moniter HP	15
		Moniter Dell	3
		CPU Ortis	2
		CPU Acer	19
		CPU HP	14
		CPU HCL	6
		Key Board Acer	12
		Key Board HP	13
		Key Board HCL	8
		Key Board Dell	3
		Key Board Logitech	1
		Mouse HP	11
		Mouse Acer	13
		Mouse Hcl	10
		ARM Development Boards	6
		MSP EXP430G2-Kit, Dev, MSP 430, Launch Pad	6
		TMDx5505E2 DSP C5505, E2DSP, USB STICK, DEV TOOL	11
		TMDx5535E2 DSP TMS320C553X, USB STICK, XDS100, DEV KIT	1
		OCTAVE, Code Composer Studio, Tasm, Electric Tool, microwind, Keil, Flash Magic	1
HP LaserJet Printer	1		
HP DiscJet Printer	1		
HP Scanner	1		
6	COMMUNICATION LAB	CRO(Scientific)	10
		CRO(Aplab)	5
		Function Generators (Aplab)	13
		Function Generators (Scientific)	8

		Fixed Power Supply (ALS)	10
		Variable Power Supply (Physitech)	10
		Digital Storage Oscilloscope (Aplab)	4
		Digital Storage Oscilloscope (Tektronix)	5
		TDM Triner Kit (United Electronics)	4
		OFC Triner Kit (United Electronics)	4
		OFC Triner Kit (Vasundhara Technologics)	2
		QPSK Triner Kit (Vasundhara Technologics)	2
		PCM Triner Kit (M/S Kashtronica)	2
		MIC Triner Kit Full Setup (NVIS)	1
		MIC Triner Kit Full Setup (Charan Technologies)	1
		Microwave Test Bench Full setup (SICO)	1
		Digital Multimeter (VISSO)	7
		Analog Multimeter (VISSO)	2
		LCR Meter (VISSO)	1
		IC Tester (MinMax Electronics)	1
7	HDL / VLSI	Digilent Bysys 2 FPGA SPARTAN 3E Kit	30
		SPARTAN 3A Kit	2
		Digilent Spartan 3E Starter Kit	4
		Xilinx TSE Design Suit System Edition (25 User License)	1

		Epson M100 Printer	1
		HP LaserJet Printer	1
8	COMPUTER NETWORKS LAB	NCTUns	1
9	RESEARCH/ PG LAB	Spartan 6 EK-S6-SP601-G	2
		MSP-FET430 UIF Debugging Kit, USB MSP-EXP430 FG4618 Kit	2
		Experimenter Board MSP430 FG-4618	1
		EZ430-RF2500T, MSP430 2.4GHz wireless target Board; De EZ430-RF2500T Board, Target wireless EZ430-RF2500	1
		Sony LED 47W850A (SI No-4306062)	1
		Guava Pi V2-Indians Best 8051 Project Board	30
		Multifunction Data Acquisition Cards	4
		PIC KICK Development Board W/PIC16F877A	1
		Raspberry Pi2-MODB 1GB- QUAD CORE	1
		Raspberry Pi Model B RASP-PI-3 Motherboard (X000J45JR9)	2
		Uno R3 Development board AT Mega 328P AT Mega 1602 with USB Cable for Arduino X000HVIJWB	10
Ethernet W5100 Shield Network Expansion Board W/Micro SD card slot	6		

		for Arduino X000NH7GG9	
		Sensor Modules for Arduino/ Rasberry Pi	30
		Function Generators (Scientific)	2
		Veriable Power Supply (ALS)	1
		IC Tester (MinMax Electronics)	1