

**GOVERNMENT POLYTECHNIC, BANTWAL**  
**DEPARTMENT OF ELECTRONICS & COMMUNICATION**  
**LAB WISE EQUIPMENT LIST**

SL.NO	NAME OF THE EQUIPMENT	NO. OF EQUIPMENT	NAME OF THE LABORATORY
1	Digital Multimeter	20	ANALOG LAB
2	Digital Multimeter(Model:M92A)	15	
3	Analog DC Voltmeter		
	(a) 0-1V	5	
	(b) 0-10V	5	
	(c) 0-50V	5	
	(d) 0-60 $\mu$ A	5	
	(e) 0-500 $\mu$ A	5	
	(f) 0-25mA	5	
4	1MHz Function Generator	5	
5	1MHz Signal Generator	5	
6	20MHz Cathode Ray Oscilloscope	4	
7	Digital Storage Oscilloscope	1	
8	30MHz Dual channel CRO	10	
9	Regulated DC power supply	13	
10	Low voltage digital regulated power supply(0-32V)	10	
11	LCR Meter	2	
12	5KV Single phase Voltage stabilizer	2	
13	Decade Resistance Box	10	
14	Decade Capacitance Box	10	
1	Digital IC Tester	3	DIGITAL LAB
2	Digital IC Trainer kit	13	
3	Linear IC Trainer kit	7	
4	Digital IC Trainer kit	7	
5	Component Rack	10	
1	Universal Xilinx FPGA/CPLD Board	6	VHDL PROGRAMMING LAB
2	Daughter Board: Xilinx FPGA	6	
1	Programmable Logic Controller	3	INDUSTRIAL AUTOMATION LAB
2	Power supply	3	
3	Interfacing SAP Module:		
	(a) Water Level Controller	2	
	(b) Conveyor Module	2	
	(c) DOL Starter Module	2	
	(d) Traffic Light Module	2	
	(e) Lift control module	1	
	(f) Staircase Module	1	
	(g) Pulse Counter module	1	
4	Basic Series Inverter	1	
5	Voltage Commutated Chopper both Constant & Variable frequency	1	
6	Single phase to Single Phase Cycloconverter	1	
7	Speed Control of PMDC motor	1	
8	Speed Control of Universal motor	1	
9	Speed control of Stepper motor	1	
1	Colour TV Trainer	2	VIDEO ENGINEERING LAB

1	8031/51 Micro controller & Interfacing modules	3	MICROCONTROLLER LAB
2	Stepper Motor Control unit	3	
3	Traffic Light Control unit	3	
4	DAC External Interfacing	3	
5	Temperature Measuring Interfacing	3	
6	Speaker Interface	3	
7	Infra-red Sensor Key board	3	
8	Real Time Clock	3	
9	LCD display unit	3	
1	Analog Signal Sampling & Reconstruction Trainer with power supply	1	DIGITAL COMMUNICATION LAB
2	Pulse code Modulation & Demodulation Trainer with power supply	1	
3	Delta Modulation & Demodulation Trainer with power supply	1	
4	Optical fiber communication Trainer kit	1	
1	Web Camera	2	PCHW LAB
2	External Hard Disk 500GB	2	
3	DVD writer	2	
4	Crimping Tool	5	
5	LAN Tester	2	
6	Punching Tool for I/O Box	5	
7	16 port 10/100Mbps Switch	1	
8	Network Interface card(Ethernet card)	5	
9	Network Interface card(Wireless)	3	
10	Wireless Router	1	
11	Surface Mount Information Outlet Box	1	
12	Pen drive 4GB	4	
1	ARM-7 Development Kit	12	ARM CONTROLLER LAB
2	Motor Drive module	6	
3	Display & Switch module	6	

**HOD**

**PRINCIPAL**