



A.G. Patil Polytechnic Institute, Solapur.

ELECTRONICS & TELE-COMMUNICATION Dept.

❖ Name of Laboratory: - Analog Electronics Lab.

Sr. No.	Name of Equipments	Quantity	Price per Qty.	Total Investment (incl. VAT) in Rs.
1	CRO(Dual Trace)	10	16062/-	160614 /-
2	Function Generator(1MHz)	6	7147/-	42887/-
3	DC Regulated Power Supply(Dual)	5	6978/-	34891/-
4	DC Regulated Power Supply(Single)	6	4,350/-	34797 /-
5	Auto Transformer (1Ph)	1	3,938/-	3,938 /-
6	Digital LCR Meter	2	4,313/-	8,625 /-
7	Digital Multimeter	20	1238/-	24765/-
8	Expt. Kits(Sem III)	28	-	68,685/-
9	Expt. Kits(Sem IV)	11	-	25,832/-
10	Component Display Board.	2	-	8475/-
11	Expt. Kits(Sem IIIG)	12	-	72450/-
	TOTAL			04,85,959/-
	Furniture Investment			93100/-
	Grand Total			05,79,059/-

HOD
(Mr. Ligade S.S.)



A.G. Patil Polytechnic Institute, Solapur.

ELECTRONICS & TELE-COMMUNICATION Dept.

❖ Name of Laboratory: - Electrical

Sr. No.	Name of Equipments	Quantity	Price per Qty.	Total Investment (incl. VAT) in Rs.
1	Auto Transformer (1 Ph)	1	4,255 /-	4,255 /-
2	Auto Transformer (3 Ph)	1	11,714 /-	11,714 /-
3	Transformer Rectifier Unit(3 Ph)	1	36,815 /-	36,815 /-
4	1Ph. Transformer	2	4,074/-	8, 128 /-
5	DC Voltmeter	2	1,676/-	3,346 /-
6	AC Voltmeter	4	1,673/-	6,692 /-
7	AC Ammeter	2	1,676/-	3,346 /-
8	DC Ammeter	2	1,676/-	3,346 /-
9	1Ph. Wattmeter	2	2,725/-	5,450 /-
10	DC Shunt motor	1	35,691/-	35,691/-
11	Exptl. Kits	16	-	01,17,584/-
	Total			2,36,367/-
	Furniture Investment			98000/-
	Grand Total			3,34,367/-

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ELECTRONICS & TELE-COMMUNICATION Dept.

❖ Name of Laboratory: - Digital Techniques & Microcontroller

Sr. No.	Name of Equipments	Quantity	Price per Qty.	Total Investment (incl. VAT) in Rs.
1	Digital IC Tester	1	12,994 /-	12,994 /-
2	Digital IC Trainer	2	4,332/-	8,663 /-
3	8085 μ p Trainer	6	3,567/-	21,404 /-
4	8051 μ c Trainer	5	4,660/-	23,296 /-
5	8086 Trainer	5	5,678/-	28,392 /-
6	Regulated Power Supply-5V	5	1,260/-	6,300 /-
7	Digital Multimeter	7	898/-	6285/-
8	Expt. Kits (Sem III)	27	-	46,072 /-
9	Expt. Kits (Sem IV)	08	-	26,935/-
10	Microcontroller Kits (Sem V)	20	-	1,02,733/-
11	Universal IC tester	01	62517.25/-	62517.25/-
12	Pulse generator	02	5407.5/-	10815/-
13	CRO	02	14175/-	28350/-
14	Microcontroller Kits (Sem VG)	02	-	45511/-
	Total			4,28,397/-
	Furniture Investment			93100/-
	Grand Total			5,21,497/-

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ELECTRONICS & TELE-COMMUNICATION Dept.

❖ Name of Laboratory: - Measurement & Control Lab.

Sr. No.	Name of Equipments	Quantity	Price per Qty.	Total Investment (incl. VAT) in Rs.
1	CRO (20 MHz)	4	13127	78761/-
2	Function Generator	5	5,815/-	34895 /-
3	DC Power Supply(0-30V)	5	5086/-	30518 /-
4	Digital Multimeter	7	898/-	6285 /-
5	Electronic Tachometer	1	1,418/-	1,418 /-
6	Pulse Generator	2	9,844/-	19,688 /-
7	Expt. Kits (Sem III)	11	-	1,04,543 /-
8	DSO	01	19,687/-	19,687/-
9	Expt. Kits (Sem V)	21	-	43,290/-
10	Expt. Kits (Sem VI)	15	-	1,52,381/-
11	Oscilloscope Demonstrator trainer	1	21780/-	21780/-
12	Function Generator Trainer	1	5805/-	5805/-
13	PLC Trainer kit with module Scientech 2427 + Scientech 2424	1	-	175625/-
14	Spectrum Analyzer DSA 815 TG	1	113000	118650/-
15	Logic Analyzer LAP-C(16032)	1	14231	16010/-
16	Expt. Kits (Sem IV)	06	-	29532/-
Total				8,58,868/-
Furniture Investment				94900/-
Grand Total				9,53,768/-

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ELECTRONICS & TELE-COMMUNICATION Dept.

❖ Name of Laboratory: - Communication

Sr. No.	Name of Equipments	Quantity	Price per Qty.	Total Investment (incl. VAT) in Rs.
1	RF Signal Generator	02	13,781/-	27562/-
2	DSO	01	24024	24024/-
3	CRO	04	13584/-	54338/-
4	Digital Multimeter	02	1469/-	2938/-
5	Pulse Generator	01	4,725/-	4725/-
6	Function Generator	01	6,300/-	6300/-
7	DC Power Supply(Dual)	01	4,725/-	4725/-
8	Tape Recorder Trainer	01	5,119/-	5,119/-
9	B/W TV Trainer	01	15,987/-	15,987/-
10	Antenna Trainer	01	22,759/-	22,759/-
11	Yagi u da Antenna	02	4,332/-	8,664/-
12	Expt. Kits (Sem IV) ACO	06	-	31464/-
13	Expt. Kits (Sem V) DCO	45	-	2,43,800/-
14	DSO	01	33075	33075/-
15	Expt. Kits (Sem IVG) ACO	10	-	127227/-
	Expt. Kits (Sem VG) DCO			
Total				6,12,085/-
Furniture Investment				95200/-
Grand Total				7,07,285/-

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A.G. Patil Polytechnic Institute, Solapur.

ELECTRONICS & TELE-COMMUNICATION Dept.

❖ Name of Laboratory: - Advance Communication

Sr. No.	Name of Equipments	Quantity	Price per Qty.	Total Investment (incl. VAT) in Rs.
1	RF Signal Generator	03	13,781/-	41,343/-
2	TV Pattern Generator	02	5,907/-	11,814/-
3	EPABX Trainer	01	24,098/-	24,098/-
4	CRO	04	13584/-	54338/-
5	Digital Multimeter	07	898/-	6285/-
6	Pulse Generator	01	4,725/-	4725/-
7	Function Generator	02	6,300/-	12,600/-
8	DC Power Supply(Dual)	02	4,725/-	9450/-
9	Mobile Trainer	01	35,438/-	35,434/-
10	Fiber Optic Trainer(old)	01	12,206/-	12,206/-
11	Fiber Optic Trainer(new)	01	15678	15678/-
12	VCD Player Trainer	01	13,781/-	13,781/-
13	Color TV Trainer	01	21,263/-	21,263/-
14	Optical Power Meter	01	9746	9746/-
15	Set top Box	01	1650	1650/-
16	HTC LCR Meter	02	5250	10500/-
17	DSO	01	33075	33075/-
18	Expt. Kits (Sem VI) ACS	03	-	1,09,452/-
19	Trace the circuit layout of LED television receiver	1	35225	39,629/-
20	Microwave Bench	1	23550	26,494/-
21	VoLTE Mobile Trainer Kit	1	58000	68,440/-
	Total			05,38,151/-
	Furniture Investment			96400/-
	Grand Total			06,34,551/-

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A.G. Patil Polytechnic Institute, Solapur.

ELECTRONICS & TELE-COMMUNICATION Dept.

❖ Name of Laboratory: - Computer Centre and Hardware Lab

Sr. No.	Name of Equipments	Quantity	Price per Qty.	Total Investment (incl. VAT) in Rs.
1	Personal Computers	24	21,900/-	525600/-
2	Servo Stabilizers	02	11,600/-	23,200/-
3	Embedded System Software (SPJ 51)	01	23,205/-	23,205/-
4	VLSI (XILINX) Software (25 user)	01	53,550/-	53,550/-
5	VLSI Kits	02	15,700/-	31,401/-
6	MD 51 kit 8051	02	13107	26214/-
7	USB to serial Convertor	02	550/-	1100/-
8	Switch(Pronet 24 Port)	02	3281/-	6562/-
9	Patch Panel	02	2669/-	5338/-
10	Patch Cord	30	64/-	1910/-
11	Hitachi CPRX 82 projector	02	32625/-	65250/-
12	Net Protector Anti Virus	05	360/-	1800/-
13	LG DVD Writer USB Ext	01	1950/-	1950/-
14	Punching of path panel 30 points crimping of UTP connector 30 points establishing connectivity	30	100/-	3000/-
15	Path cord 1 mtr.	30	150/-	4500/-
16	D-link UTP connector	30	9/-	270/-
17	D-link path panel 24 port	1	4250/-	4250/-
18	D-link 8 port switch	1	950/-	950/-
19	D-link 24 port switch	1	2750/-	2750/-
20	Networking 6 U rack	1	5500/-	5500/-
21	Cannon Lide 110 Scanner	1	3650/-	3650/-
22	Tina V9 Design software	1	38063/-	38063/-
23	Hitachi CPEX 252 projector	1	31000/-	31000/-
24	Projector Screen	1	4100/-	4100/-
	TOTAL			9,00,064/-
	Furniture Investment			1,48,100/-
	Grand Total			10,48,164/-

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ELECTRONICS & TELE-COMMUNICATION Dept.

❖ Name of Laboratory: - Electronic Workshop

Sr. No.	Name of Equipments	Quantity	Price per Qty.	Total Investment (incl. VAT) in Rs.
1	PCB Lab Instruments (total 12)	1 each	-	1,76,195/-
2	CRO	02	12503/-	25006/-
3	Function Generator	02	9172/-	18344/-
4	Dual Power Supply	02	7600/-	15200/-
5	Digital Multimeter	02	350/-	700 /-
6	Other Equipment			10,317/-
	Total			2,46,482/-
	Furniture Investment			90300/-
	Grand Total			3,36,782/-

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Name of the Lab	Total Investment
Analog Electronics	05,79,059/-
Electrical	03,34,367/-
Digital Techniques & Microprocessor	05,21,497/-
Measurement & Control	09,53,768/-
Communication	7,07,285/-
Advance Communication	06,34,551/-
Computer Centre & Hardware	10,48,164/-
Electronic Workshop	03,36,782/-
Grand Total	51,15,475/-

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