



Lab 7- Fibre Optic Communication & Power Electronics Laboratory

AY 2025-26

Sr. No.	Name of Equipment	Major/Minor	Qty	Total Cost	Deadstock No.	Status Working/ Not Working
1	DSO	Minor	2	74340	COET/ET/04/04/2.5 & 2.6	Working
2	CRO 30MHz Model-5030C	Minor	3	115050	COET/ET/04/04/1.1 TO 1.3	Working
3	Function Generator	Minor	1	24190	COET/ET/04/05/2.4	Working
4	OTDR	Major	1	476484	COET/ET/03/99/2.1	Working
	Glass fibres Coated 1000 meters		2			Working
	Glass fibres Bare		1			Working
5	25 MHz DSO	Minor	4	68776	COET/ET/03/42/2.7 ,2.8 AND COET/ET/03/52/2.5 &2.6	Working
6	10 MHz Function Generator	Minor	7	32174	COET/ET/03/42/3.9 ,3.10 and COET/ET/03/52/3.6 &3.7	Working
7	Network Analyzer Agilent Fieldfox	Major	1	734020	COET/ET/03/67/1.1	Working
8	Multiple Power Supply	Minor	2	18080	COET/ET/03/65/2.1 &2.2	Working
9	Microwave Power Meter	Major	1	196425	COET/ET/03/38/1.1	Working
10	DC power Supply	Minor	4	17325	COET/ET/03/21/3.3 &3.6 AND COET/ET/03/28/3.1 & 3.4	Working
11	Power Experiment Kits	Minor	24	273170	COET/ET/0396/1.1 TO 1.18	Working
12	Satellite Trainer Kits	Major	3	145000	COET/ET/03/78/2.1 TO 2.3	Working



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13	Basic Fibre Optic Trainer Kit (LED & Laser based) with optical power meter	Major	2	130980	COET/ET/03/98/1.1 &1.2	Working
14	Desktop Intel core i5 ,8 Gb RAM,256 GB SSD,18.5 " Monitor, USB Keyboard & Mouse make-HP	Minor	2	53218	COET/ET/03/95/2.65 and 2.66	Working
15	Desktop Intel Core i3 ,4 Gb RAM,300GB HDD, Monitor USB keyboard & Mouse make Lenovo	Minor	1	25200	COET/ET/03/53/1.6	Working
	Computer System core 2 duo, 2.93 Ghz,6 GB RAM,300 GB HDD,TFT Monitor, USB Keyboard & Mouse Make- Acer	Minor	2	45046	COET/ET/03/43/1.5 &1.8	Working
16	LaserJet Printer 1007 HP	Minor	2	11200	COET/ET/03/41/2.9&2.10	Working
17	10Mhz Function Generator.	Minor	2	15015	COET/ET/03/52/3.7 &3.8	Working
	2 MHz Function Generator	Minor	2	12226	COET/ET/03/63/1.5 & 1.6	Working
18	16 Port Dlink switch	Minor	1	6490	COET/ET/03/93/2.1	Working
19	Klystron Mount with Tube	Minor	2	7375	COET/ET/03/08/3.1 & 3.2	Working
20	Klystron Power Supply	Minor	1	12885	COET/ET/03/09/1.1	Working
21	Gunn Oscillator	Minor	2	15413	COET/ET/03/09/2.1 &2.2	Working
22	Gunn Power supply	Minor	1	6696	COET/ET/03/10/3.1	Working
23	Isolator	Minor	2	5433	COET/ET/03/10/1.1 &1.2	Working
24	Variable Attenuator	Minor	2	4657	COET/ET/03/10/2.1 & 2.2	Working
25	Direct Reading Frequency Meter	Minor	1	5589	COET/ET/03/11/3.1	Working

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26	Detector Mount	Minor	2	3881	COET/ET/03/11/1.1 TO 1.2	Working
27	Matched Termination	Minor	4	4657	COET/ET/03/11/2.1 TO 2.4	Working
29	Waveguide Stand	Minor	8	2484	COET/ET/03/11/3.1 TO 3.8	Working
30	Single Phase P.W.M. Bridge inverter	Minor	1	10125	COET/ET/03/69/1.1	Working
31	Single Phase A.C. Voltage Control	Minor	1	7875	COET/ET/03/69/2.1	Working
32	Speed Control of D.C. Motor	Minor	1	24000	COET/ET/03/69/3.1	Working
33	1)D.C. Position control system,2)Position & Velocity Measurement, 3)Liquid & Flow Measurement ,4) Water Level Measurement, 5) Late facing sensor Das,6) Pneumatiic Trainer	Minor	1 each	249600	COET/ET/03/83/1.1 TO 1.3 and COET/ET/03/86/1.5 to 1.7	Working



Sr. No.	Name of Equipment	Major/Minor	Qty	Total Cost	Deadstock No.	Status Working / Not Working
34	Klystron Based microwave test bench	Major	1 each	131250	COET/ET/03/72/1.1 to 1.18	Working
	Klystron Tube					
	Klystron Mount					
	Isolator					
	Frequency meter					
	Variable attenuator					
	Detector Mount					
	Matched Termination					
	Wave Guide stand					
	VSWR Meter					
	Klystron Power Supply					
	Cooling Fan					
	E Plane Tee					
	H Plane Tee					
	EH Tee					
T circulator						
Y Circulator						
Moveable Shot						
Slotted Section						
35	Gunn Diode Based Microwave Test Bench Gun Oscillator, Pin Modulator, Isolator, Detector Mount, Gun Power supply Frequency Meter		1 each		COET/ET/03/72/2.1 to 2.6	

Total Cost of Equipment: 29,66,329 /-