

• **List of Experimental Setup in each Laboratory/Workshop**
List of Equipment's in the Department of Physics

Sr. No.	Equipment Name	Quantity
1	Cathode Ray Oscilloscope	08
2	Signal Generator	03
3	Regulated Power Supply	02
4	Plank's Constant	01
5	Faraday Effect Set	02
6	Astable & Monostable multivibrator using Timer Ic	01
7	Linear Variable Differential transformer	01
8	Four Probe Set-up	01
9	Young's Modulus	01
10	Hall-Effect Set-up	02
11	Universal B-H Curve tracer	01
12	Thermoelectric Power set-up	01
13	Regulated Power supply	02
14	Constant current power supply	02
15	Power amplifier	02
16	Electron Spin Resonance spectrometer	01
17	Fourier analysis kit	01
18	Heat capacity kit	01
19	Dielectric constant measurement setup	01
20	Frank-Hertz Experiment	01
21	Lattice Dynamic kit	01
22	Study of Temp. Transducer kit	01
23	Curie Temp. kit for Ferrites	01
24	Forbidden Energy gap kit	01
25	Zeeman Effect Experiment	01
26	Solar cell characteristic Apparatus	01
27	Absorption Spectra of I ₂ molecule	01

28	Rydberg constant (Telescope,collimeter,Mercury source,Hydrogen Source)	01
29	Computers	05
30	Printer	01
31	Thermoluminescence temp. meter	02
	High voltage power supply.	02
	PMT Set- up	02
32	Digital nanometer	01
	Low current source	01
	Venier caliper	01
33	Thermoluminescence sample irradiation unit Model TIU - 02	01
34	Dielectric constant of solids & liquids model DIL- 01,	01
	Band gap measurements	01
35	Digital gauss meter Dc regulator power supply 030v-10 A	01
36	DIP coating unit	01
37	Convection microwave oven	01
38	Electrodeposition unit	01
39	Magnetoresistance,	01
	constant current power supply ,	01
	Digital gaussmeter,	01
	electromagnet	01
40	Thermoelectric power Dimmerstate	02
41	Spectral response of solar cell	01
42	UV-VIS spectrophotometer model-LI 294	01
43	Spray pyrolysis unit	01
44	Tube-Furnace	01
45	Hydrothermal unit autoclave	01
46	Magnetic stirrer	05
47	Optoelectronic	

	Measurement unit	01
	Optical bench unit	01
	Diode laser power supply	01
48	IV- characteristics of solar cell	01
49	Hot air oven	01
50	Gouy's method, Magnetoresistance, constant current power supply , Digital gaussmeter, electromagnet	01
51	Semi-micro weight balance	01

• **Teaching Learning Process**

• **Experiential learning**

- ☐ Hands on experience
- ☐ Research projects
- ☐ Collaborations

• **Participative learning**

- ❖ Tutorials
- ❖ Seminars
- ❖ AVISHKAR and Conferences
- ❖ Webinar and workshops