

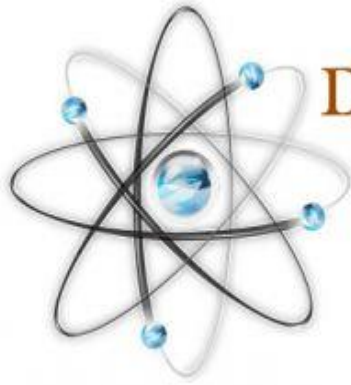


**TELANGANA TRIBAL WELFARE RESIDENTIAL
DEGREE COLLEGE (GIRLS), KOTHAGUDEM**

Bhadradri Kothagudem District, Telangana State -507101

(Affiliated by Kakatiya University, Warangal, Telangana)

Website: <https://ttwrdds.ac.in/.Kothagudem>



Department of

Physics

Infrastructure

INFRASTRUCTURE AND LEARNING RESOURCES

INFRASTRUCTURE:

The department is well established with one staff room and one lab with sufficient equipments. Department purchases the required equipment as per the syllabus & norms of Kakatiya University and availability of funds provided by TTWREIS,Hyderabad. Following equipments are available in the department.

LABORATORIES:

S. No	Name of the item	Quantity
1	Staff room	1
2	Mechanics & Modern Physics Lab. Optics & Thermal Physics Lab.	1
3	Computer	1
4	Broad Band Connection	20 MBPS
5	Green Board	1
6	Working table for Practicals	5
7	Power Supply with power sockets	5
8	Almaraiahs	4
9	Lab Stools	30
10	Notice Board	1
11	Projector	1

LIST OF LABORATORY EQUIPMENT:

S.NO	Name of the item	Quantity	S.NO	Name of the item	Quantity
1	lee's disc apparatus	5	51	Polarimeter	2
2	Thermal efficiency for electrical kettle.	5	52	Polarimeter tube	3

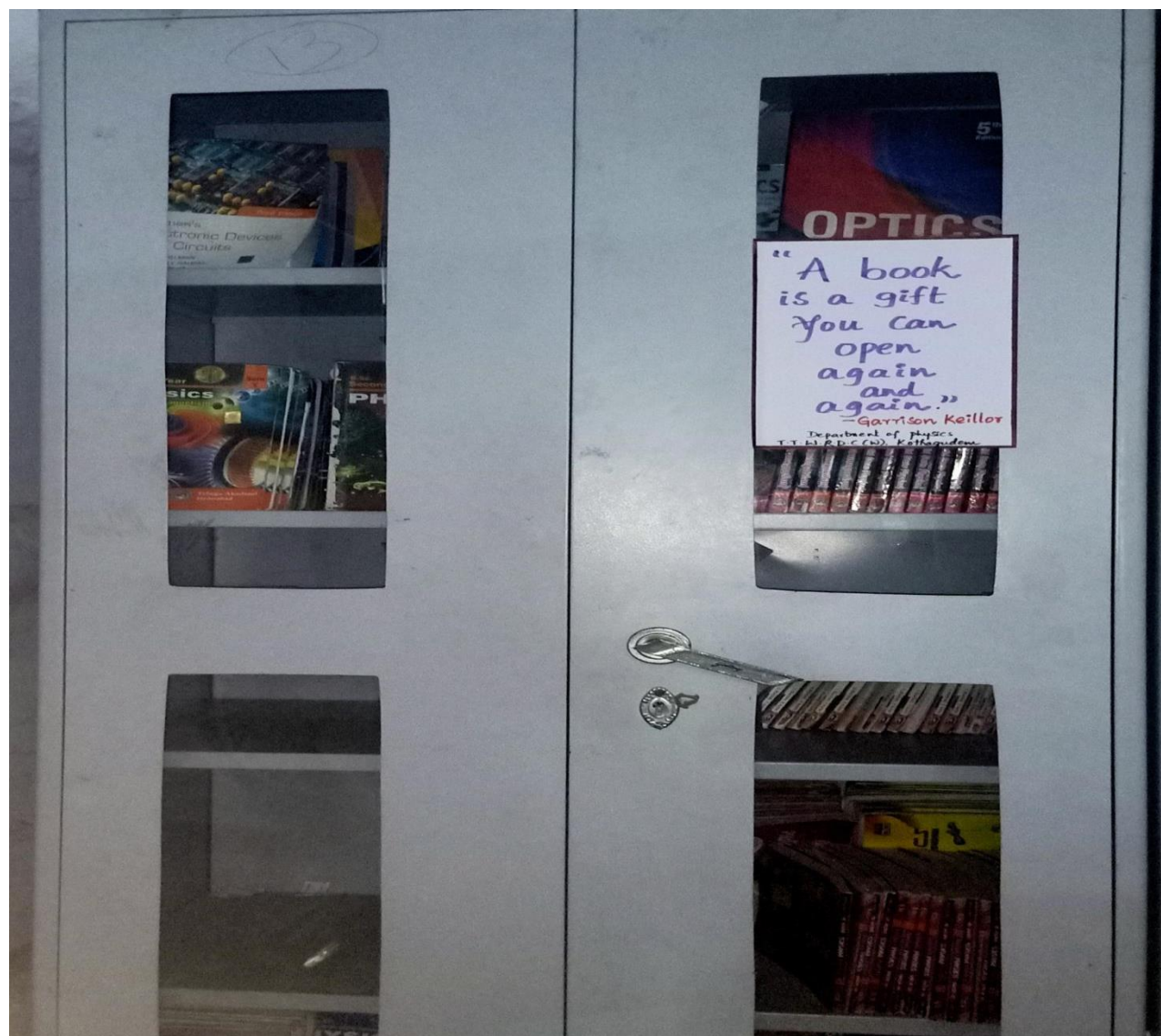
3	fly wheel without counter.	5	53	Cathode Ray oscillorscope Dual range	1
4	Sonometer	5	54	Slits stainless steel jaws sets in Brass mount	3
5	Resistance thermometer conjust of platinum Resistance	5	55	PN Junction diode kit	3
6	Spectrometer	3	56	Zener diode kit	3
7	calibration of thermo couple.	5	57	Zener diode voltage Regulator kit	3
8	Reading Telescope.	3	58	AND, OR NOT truth table kit	3
9	Pendulum Bobs Iron	10	59	NAND, NOR-bulk table kit	3
10	Burette stand with clamp	20	60	RC Phase Shift oscillator	2
11	Stopclock.	10	61	RC coupled amplifier	3
12	Rubber cork.	15	62	Connecting wires 10 mm	1
13	Rubber hamer with woden.	10	63	Digital Multimeter	4
14	Screw guage	10	64	Probes	10
15	Vernier calipers	10	65	He-Ne laser Source	3
16	Spectrometer prism	5	66	Photo electric cell kit	1
17	wire guage with Asbestos centre	10	67	Photo detector	1
18	Thermometer	10	68	photo cell	1
19	watch glass	10	69	LED 's with different colour	3
20	meter Scale	20	70	Single Slit with Stand	3
21	Slotted weight 100 g	10	71	Double slit with stand	3
22	Slotted weight 50 gm x5	10	72	elm slednoid metood	1
23	Aspirator Bottles 2.5 ltr	5	73	Carey forsters bridge (4 gaps)	3

24	Capillary tube 8 mm length	5	74	Battery eliminator.	3
25	Compound pendulum	7	75	plug key -one way	2
26	Torsion Pendulum	5	76	Standard resistance coil 5 ohms.	2
27	Bifular pendulum	7	77	Galvanometer	3
28	Tunning fork	5	78	Thevenins kit	3
29	Spring Constant App	5	79	Norton's kit	3
30	pull thich refractometer	5	80	Superposition theorem kit	3
31	Mirror Strips 3x1	5	81	Maximum Power transfer kit	4
32	Convex lens Dia 50mm	10	82	Anderson's bridge kit	2
33	pointed Needle with rubber cork	10	83	Ballistic galvanometer	2
34	Difraction grating 15000 Lines	8	84	Mutual Inductance by absolute	1
35	Sodium vapour Lamp woden with philips	6	85	Photo Voltaic cell	4
36	Mercury Vapour lamp	2	86	Piezo eletric TRANSUDER	1
37	Resolving power of Telescope	3	87	Four Probe Method Kit	1
38	Mercury 50 m	3	88	B-H Curve unit	3
39	Copper colorimeter.	5	89	Dielectric constant kit	1
40	Beaker 100 ml	10	90	Power supply	2
41	Beaker 250ml.	10	91	Grating stand	4
42	physics lab furniture (Tables)	4	92	Stand fitted with plane glass at 45 degree angle	2
43	Travelling Microscope	2	93	Metal wire bundle of thickness 5 mm(10 meter)	1
44	Sodium Vapour Lamp Box wodess	2	94	wire bundle of thickness 1mm(Copper,brass ,steel)	1
45	Alir wedge Set	2			
46	Magnifier Torch	2			
47	plane glass plates 75	4			

	mm x 12 mm				
48	Plane glas mirror	6			
49	LASER Source-Diode laser	2			
50	Reading Telescope &Scale	2			

DEPARTMENT LIBRARY:

- Central library is being used by the students to take the books. In addition to that, we have Department Library through which guided text book reading is made possible
- Department library has 50 textbooks and reference books.



CENTRAL LIBRARY & DIGITAL RESOURCES:

Following Digital sources are available to the students in the college along with vast collection books, Journals.

1. Digital Library



LECTURE HALLS WITH ICT FACILITIES & FREE WiFi TO ALL THE STUDENTS:

