



Department of Physics
SRI SAI BABA NATIONAL DEGREE COLLEGE (A) :: ANANTAPUR

UG Physics Labs (2 Labs):



List of Lab Equipment (UG Lab)

S. No	Description	Quantity
Physics Lab - I		
1.	Plug key	35
2.	Rheostat	14
3.	Resistance box	45
4.	Mand H	7
5.	Commutators	20
6.	Tap key	17
7.	Impedance and power factor kits	4
8.	Battery cells (1.5V)	5
9.	Function generators	10
10.	Triode characteristics	3
11.	Rectifier circuits	2
12.	LR & CR kits	6
13.	LCR kits	1
14.	CR time base kit	1
15.	Frequency oscillators	2
16.	Digital stop clocks	2
17.	Standard 2 Ohms coils	11
18.	Phase shift audio oscillator	3
19.	CRO	4
20.	Audio frequency oscillator	2
21.	Electronic standard cell	6
22.	Series parallel resonance board	1
23.	Half adder full adder kits	4
24.	Logic gates IC kits	2
25.	Logic gates applications	3
26.	e/m Thomson method	2
27.	G M Counter	1
28.	B H curve set up	2
29.	D P D T switch	2
30.	Carbon resistors	4
31.	Vernier calipers	4
32.	Apergtuvey	11
33.	Plano convex lens	4
34.	Compass (M & H)	9
35.	Analog multimeters	10
36.	Tuning fork box	3
37.	O A P kits	3
38.	Digital multimeters	14
39.	Op-amp Configuration kits	2
40.	Transistor kits	7

41.	AC Sonometer transform	3
42.	Diode and zener diode characteristics kits	4
43.	FET characteristics kit	3
44.	Thevinon Norton theorem	2
45.	Screw gauge	6
46.	Battery eliminator	22
47.	Vold refers	28
48.	Digital voltmeters	3
49.	Galvono meters	24
50.	Ammeters	36
51.	Digital ammeters	4
52.	Demorgan theorem kits	4
53.	MUX & DEMUX kit	3
54.	Flip Flop kits	3
55.	LED characteristics kit	3
56.	Solar cell characteristics kit	2
57.	Potentiometers	13
58.	Carry fosters bridge	7
59.	Sonometers	10
60.	Mand H boards	6
61.	LDR characteristics kit	2
62.	Kirchhoff's laws	4
63.	Max. power	36
64.	Bridge rectifier	3
65.	C R Circuits	2
66.	B G lamp kits	6
67.	Inductance box	6
68.	Wide rays A F oscillators	2
69.	Voltage variation battery	1
70.	Photo diodes	3
71.	Light source	2
72.	High resistance box	2
73.	Standard resistance box	35
74.	Thermistor	6
75.	Stop watch	16
76.	Vacuum tube voltmeter	1
77.	Heward ghee apparatus	2
78.	Boilers	4
79.	USE low impedance MICS	1
80.	OHP	2
81.	Drilling machine	1
82.	Ohm Meters	3
83.	Volume Resonator Beakers	2
Others		
84.	Charts	9

85.	Iron beeruva	2
86.	Common balance	2
87.	Stools	20
88.	Tables	10
89.	Chairs	2
90.	S type chairs	2
91.	Computer with table	1
92.	Tube lights	12
93.	Fans	2
Physics Lab - II		
94.	Microscopes	16
95.	Spectrometers	12
96.	Telescopes	8
97.	Stop Clocks	21
98.	Polarimeters	8
99.	Vernier Calipers	11
100.	Screwguage	6
101.	Simple Pendulum	8
102.	Sonometer	4
103.	Torsional Pendulum	3
104.	Compound Pendulum	8
105.	Loaded Springs	6
106.	Tuning fork sets	10
107.	Prisms	6
108.	Gratings	18
109.	Sodium lamps	7
110.	Mercury lamps	4
111.	Kettele	4
112.	Stefan's constant	3
113.	Thermistor's	3
114.	Laser source	3
115.	Rubber	3
116.	Lee's method set up	2
117.	Young's modulus stands	6
118.	Fly wheel	2
119.	Sifillar pands	3
120.	Viscosity source	3
121.	Surface tension set up	3
122.	Table lamps	7
123.	Battery eliminator (2A)	4
124.	Milli ammeter	2
125.	Ammeter	2
126.	Galvanometer	3
127.	Voltmeter	3
128.	Resistance box	2

129.	Meter scale	15
130.	Half meter scales	4
131.	Common balance	2
132.	Digital balance	1
133.	Meldy's equipment	2
Others		
134.	Tables	6
135.	Stools	14
136.	Black board	1
137.	Fans	2
138.	Tube lights	10
139.	Beeruva	1
140.	Iron self	1

PG Physics Labs (3 Labs):



List of Lab Equipments (PG Unit)

S. No	Lab Equipment Name	No. of Receipts in the Lab
1.	Hall Effect Experimental set up	2
2.	Cathode Ray Oscilloscope	6
3.	Plank's Constant-Photocell apparatus	1
4.	Laser Source with grating & other Accessories	2
5.	Audio Function generator	5
6.	Two port network	1
7.	Power Supplies 30V	8
8.	Digital Ammeter	6
9.	Digital Voltmeter	6
10.	e/m Thomson method apparatus	2
11.	Inductive decade box	2
12.	Digital Multimeter	8
13.	LCR Q Bridge meter	1
14.	ALS-85 MEL 8085 Microprocessor trainer kits with power supplies	16
15.	Optical spectrometers (WESWOX)	4
16.	Calcite Prism	2
17.	Quartz Prism	1
18.	Specific heat of graphite setup	1
19.	Fiber optic trainer kits	2
20.	Stop Clock	10
21.	Digital Stop Watch	6
22.	Coupled Oscillator stands	4
23.	Bobs	12
24.	Traveling microscopes	4
25.	Screw gauge	6
26.	Vernier Calipers	6
27.	Elctrodense Prism	4
28.	Hollow Prism	2
29.	Sodium Vapour Lamp	2
30.	Mercury Vapour Lamp	2
31.	QWP metal Scale mount	1
32.	Polarizer & Analyzer	2
33.	Grating (15000 LPI)	2
34.	Atomic Model Kit	1
35.	Density Botteles small	8
36.	Four probe experiment setup	1
37.	Plank's constant setup	1
38.	Physical Balance	2
39.	Optical Plain wedge glass plates	4

40.	Weight box	2
41.	Screw driver	1
42.	Telescopes (with scale)	4
43.	Rheostat	6
44.	He-Ne Laser Source	1
45.	Grating (2400 LPI)	2
46.	G M Counter Apparatus	2
47.	Over head projector	1
48.	Voltmeters, ammeters and galvanometers	54
49.	Condenser boxes	2
50.	Comparators	2
51.	Retard Stands	10
52.	Dual power supplies (5V)	12
53.	Slatted weights	20
54.	Abbe Refractometer	2
55.	ALS Stepper Motor Kit	4
56.	ALS ADC Kit	4
57.	ALS Dual DAC Kit	4
58.	ALS Elevator Kit	4
59.	ALS Key board Kit	4
60.	ALS Logic Controller Kit	4
61.	ALS Temp Measurement Kit	4
62.	26 FRC	20
63.	RS232 Cable	12
64.	Communication Package	1
65.	ALS PCI07Cards for PC	4
66.	ESR Apparatus	1
67.	Ostwald Viscometer	6
68.	B-H Curve apparatus	2
69.	Polarimeters	4
70.	Decade capacitance box	2
71.	ALS 85 MEL 8051 Microcontroller trainer kits	16
72.	Quins Tube	6
73.	Elastic Constants Apparaters	2
74.	AT89C51 Development Kit	2
75.	ALS DC motor Interface kit Kit	2
76.	Magnetic stirrer	1
77.	Charts	31
78.	Grating Import	2
79.	Malus Law Apparatus	1
80.	Computers with Monitors	2
81.	HP 1005M Printer	1
82.	UPS	4
83.	DPSK kit	2
84.	PSK Kit	2

85.	Soldering iron rods	6
86.	BNC Probes	4
Others		
87.	8X4 Working Tables	9
88.	Staff Tables small	5
89.	Staff Tables Big	1
90.	Wodden Rock for components	1
91.	Glass Almara for books	1
92.	Steel Almara	1
93.	LCD Projector with Screen	1
94.	Staff S-type chairs	3
95.	Student Chairs	24
96.	Student Stools	48
97.	Plastic Chairs	8
98.	Computer Tables	2
99.	Classroom Tables	2
