

LABORATORY

Total No. of Labs:	3	Covered area in sq. ft.	2131.25
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LAB EQUIPMENTS

Sr. No.	Name of the Lab	Equipments Details
1	PHYSICS LABORATORY I & II	1. Torsional Pendulum
		2. Screw Gauge- Ordinary
		3. Stop Clock – Ordinary
		4. Slotted weight 5x50gms
		5. Traveling Microscope
		6. Elastic constant – Young’s Modulus
		7. Vernier Caliper – Ordinary
		8. Wooden Scale
		9. Viscosity – Poisuell’s method set up
		10.Lee’s Disc apparatus
		11.Thermometer
		12.Beranger Balance with weights
		13.Air wedge set
		14.Sodium Vapour Lamp
		15.Optically Plane Glass Plate
		16.Newton’s Ring apparatus
		17.Plano Convex Lens
		18.Convex Lens 15 cm FL
		19.Reading Lens with metal handle
		20.Spectrometer
		21.Prism

	22.Sprit Level
	23.Mercury Vapour Lamp
	24.Diffraction Grating
	25.Laser (He-Ne)
	26.Laser Diode set up 2000 lines per inch
	27.Optical fiber attenuation bending loss set up with He-Ne laser
	28.Optical Fiber kit – NA and Attenuation
	29.Thermo EMF. measurement using potentiometer set up
	30.Resistance box – 4 dial
	31.Hot plate
	32.Stop Clock – Digital
	33.I.C.Regulated Power Supply
	34.Long focal length convex lens
	35.Single optic lever mirror
	36.Plane glass plate
	37.Thin glass plate
	38.Melde's Apparatus
	39.Spherical Calorimeter
	40.C.R.O
	41.A.F. Oscillator
	42.Phase Shift Oscillator
	43.Junction Transistor
	44.Specific Heat-Apparatus
	45.Single Optic Lever Telescope

	46.Open Element Heater
	47.Compound Bar Pendulum
	48.Tuning Fork Rubber Hammer
	49.Chamoi's Leather
	50.Biprism
	51.Condenser Box
	52.Inductance
	53.Mini logic Trainer
	54.A.C. Sonometer
	55.Tuning Fork box
	56.Joule's Calorimeter
	57.Fractional weight box
	58.Stainless Scale ½ meter
	59.Stainless Scale 1 meter
	60.Stop Watch
	61.Screw Gauge-Special
	62.Vernier Caliper–Special
	63.Balance (Single pan) for Magnetic Susceptibility
	64.B.H curve unit without C.R.O
	65.Universal B.H curve tracer
	66.Band Gap studies of a semiconductor set (four probe set)
	67.Band Gap – Post office box set
	68.Constant current power supply
	69.Dielectric constant apparatus set

	70. Electromagnet 7.5 K Gauss
	71. Gauss meter (Digital) with probe set
	72. Hall effect setup
	73. Ionic conductivity measurement apparatus
	74. Magnetic susceptibility apparatus set
	75. Optical fiber numerical aperture (without laser)
	76. Polarimeter
	77. Quincke's tube with stand
	78. Semiconductor diode characteristic apparatus s
	79. Ultrasonic Interferometer liquid & solid
	80. Ultrasonic Interferometer special crystal
	81. Vernier caliper (Digital)
	82. Over Head Projector
	83. Carry-Foster Bridge with accessories
	84. Laser Grating
	85. Battery eliminator
	86. Particle Size Set ups
	87. Symmetrically Mass(100g/200g)

R&D LABORATORY

Research centre recognized by Anna University.

R&D LABORATORY	1. Centrifuge
	2. Digital P _H meter
	3. Digital top pan balance
	4. Muffle furnace
	5. Magnetic stirrer with hot plate
	6. UV- VIS-Spectrophotometer
	7. Auto Clave
	8. Thermostatic water bath with pump



MAJOR EQUIPMENTS - R&D LABORATORY





