



Research and Innovation Infrastructure

Sl No	Item	Specification
	Bruker ALPHA-T FT-IR Spectrometer	DST -FIST 2013
	JASCO UV Vis NIR Spectrometer with DRS	DST -FIST 2013
	GC-Fid Gas chromatograph with FID and data storing	DST -FIST 2013
	Spectrophotometer 104 (Systronics)	

Wide Band Microwave
Source
(40 MHz -12 GHz)
(Sweep Source)
Microwave Power
Sensor-Power meter with
sensor



40Mhz to 12.4Ghz to be supplied with SMA-SMA Cable N-SMA Adapter 'wave guide to Coax Adapter.

Step size: 3KHz RF level: +10 dBm Modulation: AM/PM/FM

Adapter: N-SMA, X-band waveguide to coax

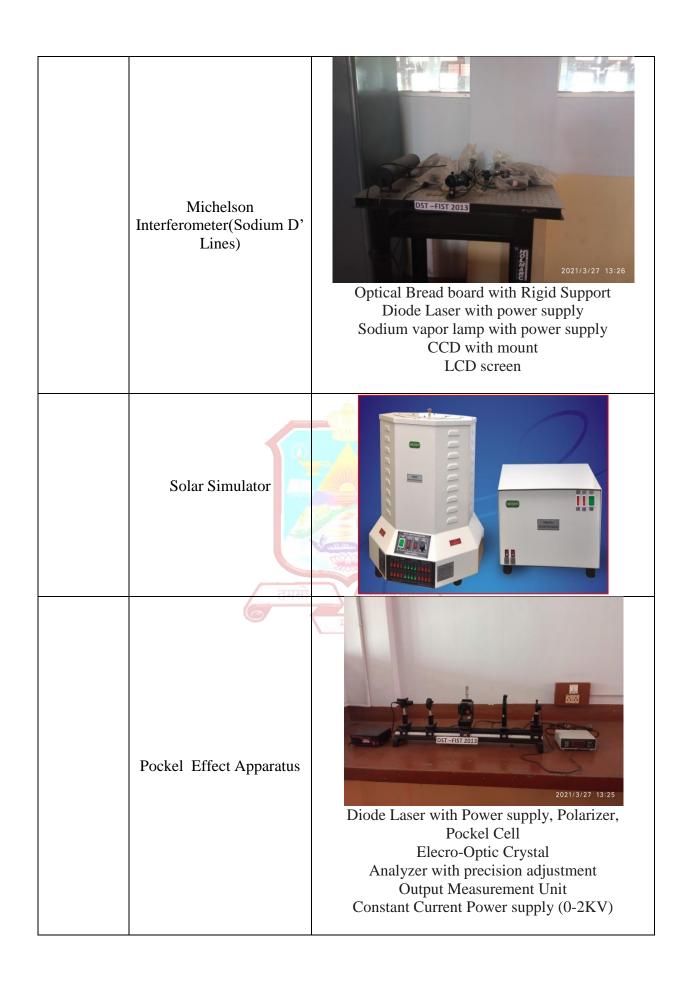
adapter

PC Based Constant
Deviation Spectrometer
(For Arc Emission &
Absorption
Measurements)



Wavelength Range 390 - 750 mm max. Resolution of Spectrometer 0.1mm / pixel (D-lines)

Collimating Lens (Achromatic).. 335 F Focusing Lens (Achromatic): 65 F



	Faraday Effect Apparatus	Diode Laser with Power supply(Green and Red), Polarizer, Electromagnet Analyzer with precision adjustment
		Detector Mount Output Measurement Unit Constant Current Power supply
7	Apparatus for Study of Photo Electric Effect (Plank's Constant)	Halogen source with four filters (R, B, G, Y) Photo tune detector, supporting electronic system to find the stopping potential
	Magnetic Susceptibility- Quinke's Method	Electromagnet with Power supply Digital Gauss Meter Quincke's Tube with Stand Travelling Microscope Paramagnetic sample

	Four Probe	FOUR FROM ST UP THE ST OF ST 2021/3/27 13:30
	Acoustic-Optic Effect (Ultrasonic Diffraction) Vacuum compatible heater	Diode Laser with Power Supply Glass Tank 2 Nos RF Oscillator Crystal with Mount (5 MHZ and 3 MHZ) Cell mount with linear - translation stage detector, Output measurement unit Max temperature 800 °C. High Vacuum compactable, Size 2" Sensitivity +/-0.01 deg
11	PID controller for the vacuum compactable heater	
12	Magnetic Stirrer with hot plate (10 numbers)	2021/3/30 15:22 RPM 1200, Capacity – 2Lts



15	Heating Mantle	2021/3/31 14:31 Power 350 W, Capacity 2000 ml
16	High Temperature Muffle Furnace (2 Numbers)	Max. Temperature – 1400 °C Size 6"X6"X9" Temperature controller: PID controller Accuracy: +/- 1°C Display: LED / LCD Display
	Networking Lab	

	Optical Microscope with Camera	
	High Power R.F Oscillator	Mini POND 8 8 7 SISSELENS OF 100 100 100 100 100 100 100 100 100 10
Strong	Strong Elctromagnet Features Mass = 124kg 604 x 270 x 359mm Adjustable pole gap, 0 to 86mm Variety of pole caps, 10, 38, 76mm 1T @ 35mm, 2T @ 15mm gap	2021/3/27 13:29
	Digital Polarimeter	Zeal-Tech use samula are 2021/3/31 14:19



Hall	Hall Effect Apparatus
	Turbidity meter 2021/3/31-14:23
	Hydrothermal reactor 100 ml 50ml
	Digital Conductivity meter 2 Nos



	Revolutionary micro processer lab Centrifuge	2021/3/21 14:43
	Ele. Bunsen Burner with	
	energy regulator 10 Nos	
	Special Platinum	
	Electrode3Nos	
	Calomel Electrode 3Nos	
	PH Meter Digital model MKVI 2Nos	DIGITAL OH METER MK 17 2021/3/31 14:34
	Ultra Violet inspection cabinet	
	Vaccum Dessicator 2Nos	
Calorimeter	Calorimeter	COLORIMETER X SOLITAL COLORIMETER 112 SOLITAL COLORIMETER 112 SOLITAL COLORIMETER 112 SOLITAL COLORIMETER 112

Electronic Pippette filling device	
device	
Incubator	2021/3/31 14:38
Rotary Shaker	SMAKER POTEK ROTANY BRANEP 2021/3/31 14:26
	2021/3/31 14:41
Water Bath Double wall	
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