

A. V. COLLEGE OF ARTS, SCIENCE & COMMERCE

Gagan Mahal, Hyderabad -500029
(Affiliated to Osmania University, Hyderabad, Telangana)




LABORATORY DESCRIPTION

M.Sc. BIOTECHNOLOGY LABs





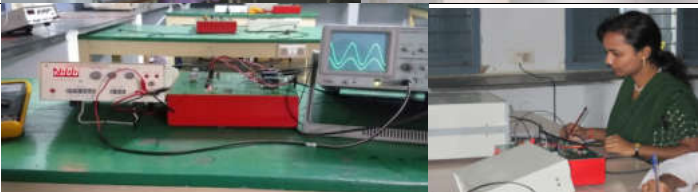
SNo	LAB NAME	EQUIPMENT NAME	EQUIPMENT PHOTOGRAPHS
1	BIOCHEMISTRY LAB	<ul style="list-style-type: none"> Electrophoretic Unit, Gel documentation system ph system protein extractions, purifications/ visualization. 	
2	MOLECULAR BIOLOGY & rDNA LAB	<ul style="list-style-type: none"> cold centrifuge, heating mantle spectrophotometers colorimeters gel documentation unit, PCR-extraction/ visualization of DNA, RNA 	
3	BIO-INFORMATICS LAB	<ul style="list-style-type: none"> Internet accessibility biological data collection, analysis and visualization 	







4	TISSUE CULTURE LAB	<ul style="list-style-type: none"> ● sterilizing equipment ● culture racks ● AC for maintaining the optimum temperature. 	
5	MICROLOGICAL LAB	<ul style="list-style-type: none"> ● laminar air-flow incubators ● hot air ovens ● autoclaves ● microscopes 	

M.Sc. CHEMISTRY LABS:


SL.No	LAB NAME	EQUIPMENT	EQUIPMENT PHOTOGRAPHS
1	ORGANIC CHEMISTRY LAB I	Rotary evaporator Rotavapor fuming board Gas Chamber oven	
2	ORGANIC CHEMISTRY LAB II	Fuming Board Oven Oven U V Spectrometer Water bath	
3	INORGANIC CHEMISTRY LAB	Ceasefire Suction Pump Water bath	
4	PHYSICAL CHEMISTRY LAB	Conductometers Potentiometers Polarimeters PH meters	

M.Sc. PHYSICS LABs

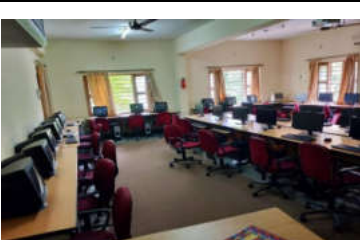

SL.No	LAB NAME	EQUIPMENT	EQUIPMENT PHOTOGRAPHS
1	HEAT & ACOUSTICS	Ultrasonic Interferometer, specific heat of graphite	
2	OPTICS LAB	He-Ne laser, Michelson Interferometer, Constant deviation spectrometer	
3	CONDENSED MATTER PHYSICS	Magnetic susceptibility, Beer's law, Dielectric constant.	
4	NUCLEAR PHYSICS	Gamma-ray spectrometer, GM counters.	
5	OPTOELECTRONIC S	Characteristics of optical sources, detectors and optical systems.	

6	FIBER OPTIC COMMUNICATION S	Fiber characteristics kit, Optical fiber communication systems kit, Digital storage oscilloscope.		
7	ELECTRONICS	Digital and Analog electronics experimental setups, oscilloscopes.		
8	COMPUTER LABS	Latest operating systems and software .		









COMPUTER SCIENCE LAB

SL.No	LAB NAME	EQUIPMENT	EQUIPMENT PHOTOGRAPHS
1	CHARLES BABBAGE LAB	1 4 Servers a) P-III,32 MB RAM, 40GB HDD Unix Server 4 b) IBM Server X226,3.0GHz,1GB RAM,80 GB HDD c) IBM Server 3200M3,2GB RAM,250GB HDD d) Win 2000 Server Rational Rose	
2.	DENNIS RITCHIE LAB	2 Intel Core i3 2nd Gen,4GB RAM,250GB HDD 2 3 HP M1005 All in one-Printer & HP Laserjet 1010 4 Webcams-3 and Speakers 3	
		5. Intel Core i3 7 th Gen, 12 GB RAM, 1 TB HDD 10	
		Intel Core i3 7 th Gen, 8 GB RAM, 1 TB HDD 2	
		Intel Core i3 7 th Gen, 4 GB RAM, 1 TB HDD 4	
		Intel Core i3 8 th Gen, 16 GB RAM, 1 TB HDD 12	
		Stabilizer 10 KVA 1	

MBA - LAB

S.No		EQUIPMENT	EQUIPMENT PHOTOGRAPHS
1	MBA LAB	2 server systems, with P-IV, Intel Dual Core 1.6 GHz Processor, 2 GB RAM & 160 GB Hard Disk, All in one-Printer 40 Systems with Configuration of P-IV, Intel Dual Core 1.6 GHz Processor, 2 GB Ram and 80 GB hard disk 10 Webcams and 10 Headphones	 

UG CHEMISTRY - LABS

SNo	LAB NAME	DESCRIPTION ABOUT LABS	LABORATORY PHOTOGRAPHS
1	SIR C.V. RAMAN LAB	Students carry out the synthesis of organic compounds and Identification, analysis of unknown organic compounds.	 
2	SS BHATNAGAR LAB	SS BHATNAGAR LAB can be used to analyze the given salt mixture using the technique of systematic semi micro analysis.	 
3	PROF. C.N.R. RAO LAB	Students' carryout the standardization and estimation of given unknown solutions through volumetric analysis in PROF. C.N.R. RAO LAB.	 
4 & 5	INSTRUMENTATION LAB & BALANCE ROOM	It consists of Conductometers, colorimeters, pH meters and Potentiometers. Weighing and Preparation of standard solution	 

<p>1</p>	<p>PHYSICS LABS Modern Physics Lab Mechanics Lab Optics Lab Electronics Lab 1 & 2</p>	
<p>2</p>	<p>BOTANY LABS Lab - 1 & Lab - 2</p>	
<p>3</p>	<p>ZOOLOGY LABS Lab - 1 & Lab - 2</p>	
<p>4</p>	<p>UG COMPUTER LABS 1 & 2</p>	

**COMMERCE
LAB - I & II**

