

4.1.1 The Institution has Adequate Infrastructure and Physical Facilities for Teaching & Learning viz, Classrooms, Laboratories, Computing Equipment, etc.

**List of Laboratories and Major Equipment**

Department / Centre	Name of the Laboratory	Major Equipment Available
Central instrumentation Centre	Central instrumentation Centre	Ultrasonic Cleaner
		Double Distillation Unit
		Dual Mono Cut-Off System for Double Distillation Unit
		Hot Air Oven
		Hot Plate
		UV Trans illuminator
		High Precision Electronic Weighing Machines
		Thermocycler – PCR
		Autoclave
		HPLC
		UV-Vis Spectrophotometer
		Cooling Centrifuge
		Multi Spectrum Simulator
		High Speed Ultra Centrifuge
		BOD Incubator
		Leica DM2000 Fluorescent Microscope
Stereo Microscope		
Leitz (Germany) Compound Research Microscope		
Sonicator		
Aquaculture	Microbiology Lab	
	Fish Processing Lab	
Botany	Botany Instrumentation Room	Spectrophotometer
		Auto Clave
		Hot Air Oven
		Centrifuge
	Botany Lab II	Distillation Unit
		Microtome
		Hot Air Oven
		Water Bath
Botany MSC Lab	Microscopes	

**Criterion IV: Infrastructure and Learning Resources**

Department / Centre	Name of the Laboratory	Major Equipment Available
	Botany UG Lab	Microscopes
	Plant Tissue Culture Lab	
	Botany Computer Lab	
Chemistry	Chemical biotechnology lab	Buchi Rotavapor R2 10 Flash Column Chromatography
	Water Analysis Lab	Laminar airflow cabinet
		Homogeniser
		Mechanical stirrer
		Water bath
		Hot plate stirrer
		Digital pH Meter
		Magnetic stirrer
		Autoclave
	Applied Chemistry Lab	
	BSc Complementary Lab	
	BSc Chemistry Lab-1	Fume Hood
		Centrifuge 1
		Distilled Water Unit
		Melting Point
		Digital weighing machine
		Digital potentiometer
		Digital Conductivity meter
		IR lamb
	BS c Chemistry lab	Pipette apparatus
Bunsen Burner		
MSc Organic and Inorganic Lab	Microwave oven	
	Distilling Unit	
MSc Physical Chemistry Lab	Vacuum Oven	
	Hot air Oven	
	Auto Clave	
	Muffle Furnace	
	Shaker	
	Heating Mantle	
Polarimeter		
Computer Science	St. Chavara IT Lab	
	BCA Computer Lab	
Commerce	Commerce Computer Lab	
English	Language Lab	
Environmental Science	EVS Lab	Centrifuge
		Spectrophotometer

**Criterion IV: Infrastructure and Learning Resources**

Department / Centre	Name of the Laboratory	Major Equipment Available
		PH Meter
		Conductivity Meter
		Autoclave
		Hot Air Oven
		Microtome
		Electronic Weighing Balance
		BOD Incubator
		Digital Planimeter
		Rain Gauge
		GPS
		Microscope
Physics	Space Science Lab	PolaRxS Receiver
		GPS Receiver
		GPS Antenna
	M.Sc. Physics Lab	
	General Physics Lab	Compound pendulum
		Torsion Pendulum
		Travelling microscope
		Meter Bridge
		General Physics-Static
		General Physics-carey variable pressure head
		Beam balance
		Half wave experiment
	Material Science Lab	Centrifuge
		ICR Hitester
		Weighing Balance
		Digit Multimeter
		Muffle Furnance
		Laboratory Oven
	Optics and Electronic Lab	Pockel Effect Apparatus
		Faraday Effect Apparatus
Michelson interferometer		
Zeeman Effect Apparatus		
Optical table		
Potentiometer		
micro lens		
School of Communication	2 D Lab	
	3 D Lab	
	Edit Lab	
Zoology	BSc Zoology Lab	Microscopes

**Criterion IV: Infrastructure and Learning Resources**

Department / Centre	Name of the Laboratory	Major Equipment Available
		Refrigerator
		Autoclave
		Centrifuge
		Kymograph
	MSc Zoology Lab 1	BOD Incubator
		Hot Air Oven
		Microtome
		Water Bath
		Wax Heater
	MSc Zoology Lab 2	Autoclave
		Distillation Unit
		Shaker
		Electronic Balance
		Water Bath
	Zoology Instrumentation Room	PCR Thermal Cyclers
		Refrigerated Centrifuge
		Spectrophotometer
		Electronic Balance
		Research Microscopes
		PH Meter
		Conductivity Meter
		Stereo Zoom Microscope
		Table Top Centrifuge
		Electrophoresis Unit Horizontal
		Transilluminator
	Molecular Biology and Microbiology Facility	PCR Thermal Cyclers
		Laminar Flow Unit
		Horizontal Electrophoresis Unit
		Vertical Electrophoresis Unit
		Electronic Balance
		Rotary Shaker
		Microcentrifuge
		Magnetic Stirrer
Water Bath		
Hot Air Oven		
BOD Incubator		
Refrigerator		
Distillation Unit		
Neurobiology & Ageing Lab	Cooling Centrifuge	
	Distillation Unit	
	Deep Freezer	

**Criterion IV: Infrastructure and Learning Resources**

Department / Centre	Name of the Laboratory	Major Equipment Available
		Homogenizer
		PH Meter
		Spectrophotometer
	Arachnology Lab	Stereo zoom microscope with camera lucida - Leica MS5
		Stereo zoom microscope with digital camera attachment-Leica SE4
		Trinocular Stereo zoom microscope with digital camera attachment-Olympus SZ110
		Stereo zoom microscope with digital camera and image analysis software-Leica M205
		Stereo zoom microscope with digital camera and image analysis software-Leica M205C
		Digital SLR Camera-Canon EOS6
		Waterproof Hiking GPS
		Berlese Funnel
Zoology Computer Lab		
<b>Total</b>	<b>38</b>	