

### Details of Equipment Procured (Department-wise)

Name of the Department: **BIO-MEDICAL SCIENCE**

S. No.	Name of Equipment	Number of Units
1.	Laboratory Refrigerator	2
2.	PCR Machine with 1 KVA UPS	1
3.	4 Gel Vertical Electrophores	1
4.	pH Meter, Labman Scientific Instruments	3
5.	Br Biochem Dual Wavelength Bench (UV Transilluminator)	1
6.	Ice Flake Making Machine (IG-40FI)	1
7.	Technosource Dual wavelength Bench Top Type Transilluminator UV (UV Transilluminator)	1
8.	Magnus Microscope MLXI Plus LED Std Set	7
9.	Scalatec Weighing Scale with Load capacity of 220gm Resolution:0.001 gm Pan Size:80mm. (Weighing Balance)	2
10.	pH Meter with manual or Automatic with ATC probe,	2

	Benchtop	
<b>11.</b>	IG-422Fume Hood	<b>1</b>
<b>12.</b>	Coslab's Magnetic Stirrer	<b>3</b>
<b>13.</b>	Magnus Microscope MLXI Plus LED Std Set	<b>2</b>

**Name of the Department: BOTANY**

<b>S. No.</b>	<b>Name of Equipment</b>	<b>Number of Units</b>
<b>1.</b>	Bio Safety Cabinet (BSL-II Cabinet)	<b>1</b>
<b>2.</b>	UV-Visible double beam spectrophotometer	<b>1</b>
<b>3.</b>	Cilika Microscope BT-P	<b>1</b>
<b>4.</b>	Digital CO <sub>2</sub> Probe Wired Or Bluetooth	<b>1</b>
<b>5.</b>	Rotary Evaporator	<b>1</b>
<b>6.</b>	METERY LED display Chamber/Humidity Chamber	<b>1</b>
<b>7.</b>	Thermal Cycler with 1 KVA UPS	<b>1</b>
<b>9.</b>	Mushroom Growing Racks/MS Reck Work Material	<b>1</b>
<b>10.</b>	Scaletec Elcetronic Weighing Scale brand with load capacity of 220 gm.	<b>1</b>
<b>11.</b>	Humidifier	<b>1</b>

<b>12.</b>	Water Bath	<b>1</b>
<b>13.</b>	HDPE Drum 210 ltr. capacity	<b>2</b>

**Name of the Department: CHEMISTRY**

<b>S. No.</b>	<b>Name of Equipment</b>	<b>Number of Units</b>
<b>1.</b>	Gaussain Software V 16	<b>1</b>
<b>2.</b>	Gauss View V 6	<b>1</b>
<b>3.</b>	Eutech Microscope Based Automatic pH Meter	<b>1</b>
<b>4.</b>	Atomic Absorption Spectrophotometer with 8 Auto Lamp Turret & Variable Slit Control	<b>1</b>
<b>5.</b>	Hollow Cathod Lamp (Cadmium, Copper, Iron, Zinc)	<b>4</b>
<b>6.</b>	Exhaust Hood Vent Assembly	<b>1</b>
<b>7.</b>	N20 Nitrous Oxide Titanium Burner For AAS	<b>1</b>
<b>8.</b>	Potentiometer	<b>1</b>
<b>9.</b>	Centrifuge	<b>1</b>
<b>10.</b>	Conductivity Meter	<b>1</b>
<b>11.</b>	Hot Air Oven	<b>1</b>
<b>12.</b>	Rotary Evaporator	<b>1</b>
<b>13.</b>	<b>Potentiometer</b>	<b>1</b>

**Name of the Department: COMPUTER SCIENCE**

<b>S. No.</b>	<b>Name of Equipment</b>	<b>Number of Units</b>
<b>1.</b>	Hp Prodesk 600 G6 Microtower PC (CPU)	<b>25</b>
<b>2.</b>	HP laser MFP 136NW Printer Hp Multifunction Machine	<b>1</b>
<b>3.</b>	HP laser MFP 136NW Printer Hp Multifunction Machine	<b>2</b>
<b>4.</b>	<b>White Interactive Board</b>	<b>2</b>

**Name of the Department: ELECTRONICS**

<b>S. No.</b>	<b>Name of Equipment</b>	<b>Number of Units</b>
<b>1.</b>	Universal Dev Board with FPGA and CPLD	<b>1</b>
<b>2.</b>	Setup for study of architecture of Mobile phone	<b>1</b>
<b>3.</b>	Set up for Satellite Communication System	<b>1</b>
<b>4.</b>	Control Labsetup with software and data acquisition	<b>1</b>
<b>5.</b>	AI Builder	<b>1</b>
<b>6.</b>	IoT Builder	<b>1</b>
<b>7.</b>	LDR,Photo diode and Photo transistor setup	<b>1</b>
<b>8</b>	LVDT setup	<b>1</b>
<b>9</b>	Electro-Optic Effect Setup	<b>1</b>
<b>10</b>	Fiberoptic sensor setup/kit	<b>1</b>

<b>11</b>	Young's Modulus Setup	<b>1</b>
<b>12</b>	E/ e/m of electron by Bar Magnet Setup	<b>1</b>
<b>13</b>	Resistance transducer – Strain Gauge Setup	<b>1</b>
<b>14</b>	Mini-Microcentrifuges	<b>1</b>
<b>15</b>	Digital Balance	<b>1</b>
<b>16</b>	Power Supply/ Battery kit for Digital Mass Flow Meter	<b>1</b>
	Digital Mass Flow Meter (Corrosive gases)	
<b>17</b>	Power Supply/Battery kit for Digital Mass Flow Meter (Non-Corrosive gases)	<b>1</b>
	Digital Mass Flow Meter	
<b>18</b>	3D Printer	<b>1</b>
<b>19</b>	Faraday Rotation Setup	<b>1</b>
<b>20</b>	Magnetic Stirrers (Special permission)	<b>1</b>
<b>21</b>	Potentiostat	<b>1</b>

**Name of the Department: PHYSICS**

<b>S. No.</b>	<b>Name of Equipment</b>	<b>Number of Units</b>
<b>1.</b>	Complete setup to measure	<b>2</b>

	characteristics of DIAC, TRIAC & SCR	
<b>2.</b>	Type A – Multi Output (three) Regulated DC Power Supply	<b>10</b>
<b>3.</b>	Complete trainer kit for studying Amplitude/ Frequency/ Phase Shift Keying Modulation & Demodulation	<b>6</b>
<b>4.</b>	Complete trainer Kit for studying Pulse Amplitude / Position / Width Modulation & Demodulation	<b>6</b>
<b>5.</b>	Complete Analog Communication Trainer Kit	<b>6</b>
<b>6.</b>	10 MHz Single Channel Function Generator	<b>6</b>
<b>7</b>	Complete setup to measure susceptibility of paramagnetic solution by Quincke's tube Method	<b>2</b>
<b>8</b>	Complete setup to plot B-H curve of iron using a solenoid	<b>2</b>
<b>9</b>	Complete setup to study characteristics of MOSFET, FET & UJT	<b>4</b>
<b>10</b>	Complete Hartley and Colpitt Oscillators Trainer set-up	<b>2</b>
<b>11</b>	Training Platform to study Flipflops, Shift Registers & Counters	<b>4</b>
<b>12</b>	Digital Storage Oscilloscope (DSO)	<b>4</b>
<b>13</b>	Complete setup for study of	<b>3</b>

	piezoelectric crystals	
<b>14</b>	Programmable Portable Data Logger with touch screen interface	<b>1</b>

**Name of the Department: ZOOLOGY**

<b>S. No.</b>	<b>Name of Equipment</b>	<b>Number of Units</b>
<b>1.</b>	BOD Incubator	<b>1</b>
<b>2.</b>	Autoclave	<b>1</b>
<b>3.</b>	Non-Refrigerated Centrifuge	<b>1</b>
<b>4.</b>	Magnetic Stirrers	<b>2</b>
<b>5.</b>	Horizontal Gel Apparatus	<b>2</b>
<b>6.</b>	Double Distillation water Unit	<b>1</b>
<b>7.</b>	Electronic Weighing Scale	<b>2</b>
<b>8.</b>	Cilika Microscope BT-P	<b>1</b>
<b>9.</b>	Multiparameter	<b>2</b>
<b>10.</b>	pH Meter	<b>2</b>
<b>11.</b>	Gel Documentation System	<b>1</b>
<b>12</b>	ECG 515 Refrigerator	<b>1</b>
<b>13</b>	EFGV450 20C Deep Freezer 45 Ltrs	<b>1</b>
<b>14</b>	Multitech Systems DC Regulated Power Supply.	<b>2</b>
<b>15</b>	Multitech Systems DC Regulated Power Supply.	<b>2</b>
<b>16</b>	Handheld UV Lamp 6 watt.	<b>1</b>

