















## List of Major Research Equipment's

<b>Equipment's</b>	<b>Descriptions</b>
	<b>Planetary Ball Mill</b>
	<b>Keithley Source meter Units with data acquisition system (for I-V/DC resistivity measurement systems)</b>
	<b>Muffle Furnaces</b>
	<b>Tube Furnaces</b>
	<b>Digital Balance with density kit</b>
	<b>Hydraulic Press with multiple dia die-sets</b>

 A blue and white magnetic stirrer with a white top and a blue base. The base has two control knobs and a power button. The brand name 'SPINDOT' is visible on the front.	<b>Magnetic Stirrers</b>
 A small, cylindrical vacuum oven with a blue front door and a control panel on the right side. It has a pressure gauge and various valves on top.	<b>Vacuum Ovens</b>
 A large, white hot air oven with a glass door. The interior is filled with metal racks. The door is slightly open, showing the interior.	<b>Hot Air Ovens</b>
 A stainless steel gas sensing unit with a large cylindrical chamber and various ports and valves. It is mounted on a white base.	<b>Gas Sensing Units</b>
 A white UV spectrometer with a digital display and a control panel. It has a sample compartment on the left side.	<b>UV Spectrometer</b>
 A double stage distillation unit consisting of two glass distillation columns connected by a horizontal tube. It is supported by a metal stand.	<b>Double stage distillation Units</b>
 A digital LCR meter with a color display showing '5.63072GΩ' and '104.576 nF'. The brand name 'WIK' and model '6500P' are visible on the front panel.	<b>LCR meter</b>

	<p><b>Hydrothermal Autoclave setup</b></p>
	<p><b>Spin Coating Units</b></p>
	<p><b>Vacuum Evaporator</b></p>
	<p><b>Research Centrifuge Unit</b></p>
	<p><b>High pressure vacuum pumps</b></p>
	<p><b>Desktops equipped with various research software's</b></p>
	<p><b>Ultrasonic Processor with probe</b></p>
	<p><b>Ultrasonic Bath</b></p>

 A tall, white, industrial-grade refrigerated circulator chiller with a control panel at the top and a large cooling fan area at the bottom.	<b>Refrigerated circulator chiller</b>
 A compact, blue and white electrochemical parameter analyser with a front panel featuring numerous ports, buttons, and a small display screen.	<b>Electrochemical parameter analyser</b>
<b>Some other equipment's are also available for the Physical, Chemical, Electrochemical and biological measurements and testing.</b>	