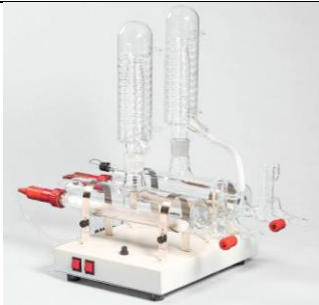
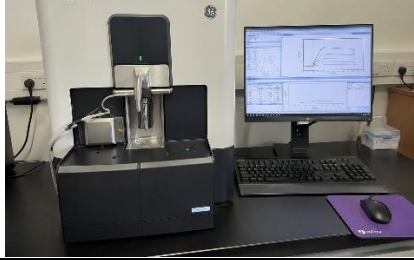


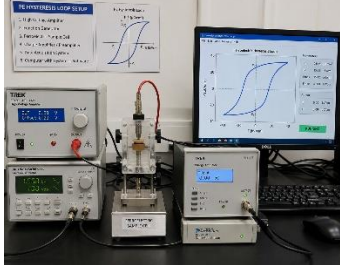
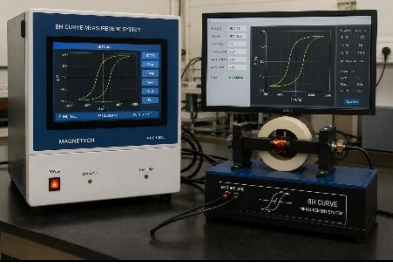
## List of Major Research Equipment's

| Equipment's                                                                         | Descriptions                                                                                                 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
|    | <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>                                                            |

|                                                                                     |                                        |
|-------------------------------------------------------------------------------------|----------------------------------------|
|    | <b>Magnetic Stirrers</b>               |
|    | <b>Vacuum Ovens</b>                    |
|   | <b>Hot Air Ovens</b>                   |
|  | <b>Gas Sensing Units</b>               |
|  | <b>UV Spectrometer</b>                 |
|  | <b>Double stage distillation Units</b> |
|  | <b>LCR meter</b>                       |

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

|                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    | <b>Refrigerated circulator chiller</b>                                                |
|    | <b>Electrochemical parameter analyser</b>                                             |
|    | <b>Hall Effect Experiments</b>                                                        |
|   | <b>Thermocycler</b>                                                                   |
|  | <b>Portable Laboratory Multi-Parameter Water Quality Fast Analyzer/Water Analyzer</b> |
|  | <b>Double Distillation Water Unit</b>                                                 |
|  | <b>Surface Plasmon Resonance (SPR) Unit</b>                                           |

|                                                                                                                                       |                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
|                                                      | <b>UV Visible Spectrometer double Beam for Thin Films and Liquids</b> |
|                                                      | <b>PE-loop hysteresis measurement setup</b>                           |
|                                                      | <b>BH Curve Measurement System</b>                                    |
| <b>Some other equipment's are also available for the Physical, Chemical, Electrochemical and biological measurements and testing.</b> |                                                                       |