

POSTGRADUATE/RESEARCH LABS. EQUIPMENT IN DIFFERENT CENTRES

Sr. No.	<u>Laser & Optronics Centre</u>
1.	<ul style="list-style-type: none">i. High power femto-second Ti-Sapphire Laser,ii. Nitrogen Laseriii. Nd: YAG Laseriv. Diode Lasersv. KrF Excimer Laservi. XeCl Excimer Laservii. High resolution Three Stage Optical Microscope,viii. Heating Furnace,ix. Nanodiamond Fabrication Facility,x. Solid Oxide Fuel Cell Fabrication Facility and more related to mentioned fields.xi. Spectrometer,xii. Photomultipliers,xiii. Spin Coaterxiv. Dip Coaterxv. Vacuum Gauges like Pirani gaugexvi. Ionizing gauge etc)xvii. Vacuum Chambersxviii. Digital Storage Oscilloscope and Transmission Optical Microscopexix. Vacuum Systems (turbo molecular pump)
2.	<u>Nanotechnologies Centre</u> <ul style="list-style-type: none">i. Nanofabrication Labii. Atomic Force Microscope (AFM),iii. Raman Spectrometer,iv. DC Electro-deposition set up,v. Multifunctional Generator,vi. Magnetic Stirrer with hot plate,vii. Analytical Balance, Power Supplies etc.
3.	<u>Centre for Nanotechnology and Advanced Material Research (CNAMR)</u> <ul style="list-style-type: none">i. Field Emission Gun Scanning Electron Microscope (FEG-SEM)ii. High Resolution Transmission Electron Microscope (HR-TEM)iii. Nano Indenter/(AFM) Labiv. X-Ray Diffractometer (XRD) Labv. Sample Preparation Lab (Twin Jet Polisher, Ion Beam Milling Machine etc.)vi. Optical Microscopy Lab