




## FACILITIES

### UNDER CENTRE OF EXCELLENCE BY U.P. GOVERNMENT

1-	X-ray diffractometer (PANalytical, X'PERT PRO MPD, Netherland)	 A large, white, industrial-grade X-ray diffractometer (XRD) machine. It features a central sample stage and two large, glass-enclosed detector arms. The machine is labeled 'X'PERT PRO' and 'PANalytical'.
2-	Scanning Electron Microscope SS-100 (PEMTRON, Korea)	  The top image shows a Scanning Electron Microscope (SEM) with a blue and white body, labeled 'SEMART' and 'PEMTRON'. The bottom image shows a UV-Visible Spectrophotometer with a digital display and a sample compartment, labeled 'ION-COATER' and 'SPECTROANALYTICAL'.
3	UV-Visible Spectrophotometer (Spectroanalytical, India)	

## **UNDER DEPARTMENTAL GRANT**

- 1- e-beam Coating Unit.  
(Hind Hivac, India)
- 2- Keithley Vptmeter and Current Source.
- 3- Furnace  
(Tempararure upto 1000<sup>0</sup>C)
- 4- Digital Storage Oscilloscope  
(APLAB & Systronics)
- 5- Cathode Ray Oscilloscope  
(APLAB & Systronics)
- 6- Function Generator  
(APLAB & Systronics)
- 7- Antenna Trainer
- 8- Optical Fiber Trainer