- Determination of precision determination of lattice parameters using an x-ray diffractometer pattern.
- Study the absorption spectra of given specimen using UV-Vis also calculate band gap.
- 3. Determine the structures of molecules using FTIR
- 4. Study the chemical composition and structure of material using Raman Spectroscopy
- 5. Study the absorption spectra of given specimen using Photoluminescence.
- 6. Study the surface morphology using Atomic Force Microscopy
- 7. Study recording media or magnetic sample using Magnetic Force Microscopy.
- 8. Study the distribution of grains using Scanning force Microscopy and also find average the grain size.
- 9. Calculate the particle size using zeta seizure.
- Optical microscopy of ferrous samples. (Mild Steel, High Carbon Steel, Cast Iron, Stainless Steel
- 11. Optical Microscopy of Non -Ferrous Samples. (Cu, Zink Brass, Pb-Sn).