Electronic Materials Laboratory **2 Credit (0-0-3)**

1. Make the pellet of given material.
2. Deposit the thin film of prepared pellet using Pulse layer deposition.
3. Four probe resistivity measurements of thin film.
4. Low temperature transport studies of thin film.
5. Determine the Hall coefficient, Hall mobility of semiconductors.
6. Synthesis and characterization of conducting polymers and their composites.
7. Impedance spectroscopy / A.C. conductivity of thin film.
8. Study the optical properties of thin film.
9. I/V characteristics of FET.
10. LED Characteristics.