



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
(Deemed to be University under section 3 of the UGC Act 1956)



Accredited by NAAC



Approved by AICTE

## DEPARTMENT OF MECHANICAL ENGINEERING

### 17MECC84 - METALLURGY LAB (UG)

#### LIST OF EXPERIMENTS

1. Introduction to Metallography
2. Preparation of Metallographic Specimen
3. Heat Treatment – Normalising
4. Heat Treatment – Annealing
5. Heat Treatment – Hardening
6. Heat Treatment – Tempering
7. Identification of Low Carbon Steel
8. Identification of Austenitic Stainless Steel
9. Identification of Grey Cast Iron
10. Identification of Nodular Cast Iron
11. Identification of Brass (Copper Alloy)
12. Identification of Aluminium Alloy

HOD/MECH