

MAINTENANCE ENGINEERING LAB (Subject Code : 145005)

- 1. Preparation of prevention maintenance check.**
- 2. Condition monitoring by non destructive testing.**
- 3. Case study on trouble free maintenance.**
- 4. Project on maintenance of utility equipment like compressors, pumps, driers, valves (actuator type valves).**
- 5. Equipment/machine leveling and alignment.**
- 6. Maintenance of material handling equipment – pulley blocks, hand operated cranes, fork lifts, hydraulic jacks, mobile cranes, winches.**
- 7. Use of lubrication equipment like oil gun, grease gun.**
- 8. Removing old lubricant, cleaning and replenishing the machine with fresh lubricant.**
- 9. Case study on computerized maintenance schedule.**
- 10. Reconditioning of machine parts.**
- 11. Replacing gear.**
- 12. Replacing bearings (all types).**
- 13. Practically making different types of fits**