

Electrical Machines Lab

List of Experiments

1. **Description:** This lab having all types of electrical machines used to conduct various performance tests for designing the electrical machines in the industries.
2. **Outcome of the Lab:**
3. Interpret the constructional details of DC machine.
4. Estimate or test the performance of DC generator.
5. Analyze the performance of DC motors
6. Able to predetermine the efficiency and regulation of single-phase transformer at given power factors and determine its equivalent circuit and to obtain the V and Inverted V curves of a three-phase synchronous motor
7. Able to obtain performance characteristics three-phase Induction motor
8. To predetermine the regulation of three-phase alternator by synchronous impedance method and X_d and X_q of a salient pole synchronous machine