

## Electrical Machines Lab. - I

**Electrical Machines – I Laboratory:**

**Laboratory In-charge : Mr. P.Maniraj**

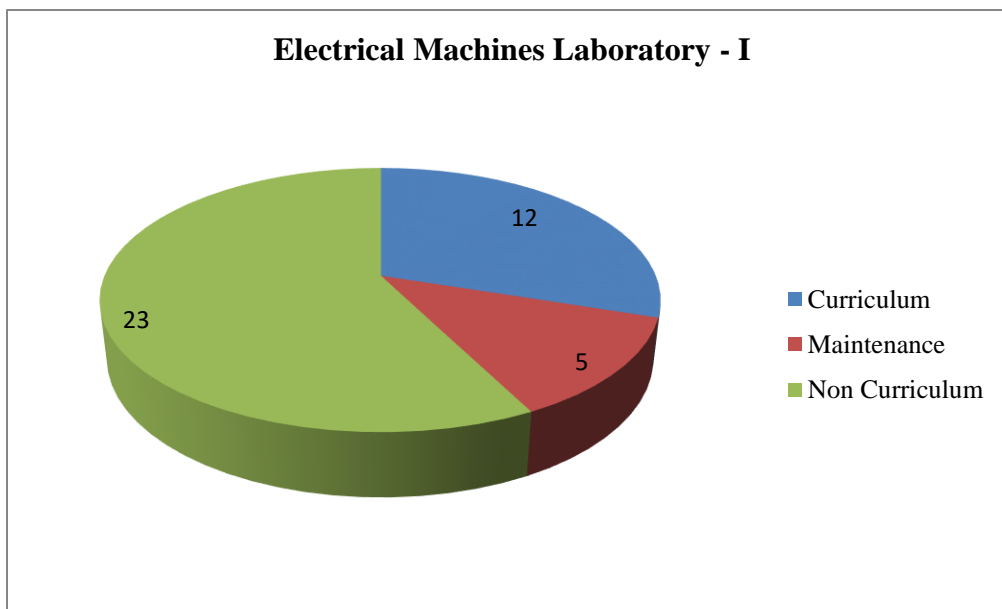
**Technical supporting staff : Mr. D. Navaneethan**



Figure 6.8 Snapshot of Electrical Machines Laboratory – 1

Area of the laboratory:  $16.1\text{m} \times 12.5\text{m} = 201.25 \text{ sq.}$

**Utilization chart**



**Major Equipment:**

- DC motors
- DC generators
- Transformers

**Major Experiments:**

- Load test on DC Series motor.
- Load test on DC series generator
- Load test on single phase transformer.
- Speed Control of DC Motor: Field control, Armature control.

**Utilization of the laboratory:**

- Electrical Machines - I Laboratory for second year EEE students