

## Innovative Learning and Teaching

### Use of various instructional methods & pedagogical initiatives

**Lecture method and Interactive learning:** The class room teaching adopted in the department involves many methods along with chalk and talk mode, flipped class room methods, power point presentations and also video lectures to enrich the lectures.

**Project Based Learning:** Prototype models, functional models in power systems, Power Electronics, Renewable Energy sources are available in plenty in the model room. The students in groups work on projects assimilating experience gained from projects in model room.

### MAGNETIC LEVIATION



### AUTOMATIC RAILWAY GATE OPERATION USING LASER AND IR



## Magnetism: Motors and Generators



**POWER GENERATION USING FOOT STEP**



**GSM MOBILE BASED ROBOT**



## WIRELESS POWER TRANSMISSION



## DOL STARTER



### FLIPPED CLASS ROOM METHOD

#### OUTCOME:

- (i) Students were fully involved in the presentation and showed a lot of enthusiasm to find solution
- (ii) Team work was appreciable
- (iii) This exercise boosts self-confidence of the groups
- (iv) It was a thorough enjoyment for entire class