



**Sandip Foundation's  
Sandip Institute of Technology & Research Centre, Nashik  
Department of Electrical Engineering  
Academic Year 2018-19**

**Report on Industrial Visit**

**Event Title:** Industrial visit to Vaitarna Hydro Power Plant, Vaitarna, Nashik

**Event Date:** 22/09/2018

**Event Conduction Duration:** 4 Hrs, 10.30 am - 5.30 pm

**Event Venue:** Vaitarna Hydro Power Plant, Vaitarna, Nashik

**Event Resource Person Details:** Mr. Mahesh Mankar Assistant Engineer

M.P.G.C.L , Vaitarna Hydro Power Plant, VHPS, Nashik

**Name of Event Co-ordinator:** 1.Prof.D S Badgajar 2.Prof. G. G. Akotkar

**No of Participants:** BE 70 + 02 Staff

**Event Objective:**

- To understand the need for generation and control of reactive power.
- To impart knowledge about various advanced controllers of operation.
- To illustrate the automatic frequency and voltage control strategies & knowing the necessity of generation control.
- To understand formulation of unit commitment and economic load dispatch tasks.

**Outcome:**

- Identify and analyze the dynamics of power system and suggest means to improve stability of system.

- Analyze the generation -load balance in real time operation and its effect on frequency and develop automatic control strategies with mathematical relations.



Visit:- BE Electrical Students at Vaitarna Hydro Power Plant, Vaitarna, Nashik.