



**Sandip Foundation's
Sandip Institute of Technology & Research Centre, Nashik
Department of Electrical Engineering
Academic Year 2019-20**



Report on Industrial Visit

Event Title: Industrial Visit to Ghatghar Hydro Power Plant

Event Date: 16th September 2019

Event Conduction Duration: 3 Hrs

Event Venue: Ghatghar Hydro Power Plant, Ghatghar

Event Resource Person Details: Asst.Engg Sudhir Dahitkar

Name of Event Co-ordinator: Prof.A.V.Satpute, Prof.R.B.Sadaphale

No of Participants: BE-51

Event Objective:

- To develop ability to analyze and use various methods to improve stability of power systems.
- To understand the need for generation and control of reactive power.
- To illustrate various ways of interchange of power between interconnected utilities and discuss planning, reliability aspects at all stages of power system.

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

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