

**ISTE & CTE Approved
One Week
Short Term Training Program on
Applications of Power Electronics in Power Systems**

(19th June 2023 to 23rd June 2023)



**Organized by
ELECTRICAL ENGINEERING DEPARTMENT
(NBA Accredited)**

**Dr. S. & S. S. Ghandhy College of Engineering & Technology,
Majura Gate,
Surat-395001**

Web Site: www.ssgc.cteguj.in

Report on:**STTP on Applications of Power Electronics in Power Systems****Organized by Electrical Engineering Department of Dr. S. & S. S. Ghandhy****College of Engineering & Technology, Majura Gate, Surat-395001****from 19th June 2023 to 23rd June 2023.**

Electrical Engineering Department of Dr. S. & S. S. Ghandhy College of Engg. & Tech., Surat organized ISTE, New Delhi and CTE, Gandhinagar approved One Week STTP on "Applications of Power Electronics in Power Systems" from 19th June 2023 to 23rd June 2023 in which 26 faculties of 14 different Government as well as Self-Financed, Diploma and Degree Engineering Institutes across Gujarat state of Electrical Engineering branch participated. Various eminent speakers from SVNIT, Surat and Industries were invited to share their knowledge and expertise on various topics explaining role of power electronic circuits and devices in Electrical Power Systems.

As a part of the training a one-day visit to Torrent Power Air Insulated Substation and Gas Insulated Substation, Puna gam where the participants gained knowledge about operation of 220kV/66kV air insulated and SF₆ Gas insulated substation. On the same day the visit to Transformer maintenance workshop of Torrent Power was also arranged where the participants gained knowledge about maintenance, condition monitoring and testing of transformers, SCADA based operation of transformers, APFC panels etc.

The event concluded with a video message for the participants from Joint Director of CTE Shri Sachin Parikh in which he laid emphasis on importance of training for faculties.

Day 1 : 19/06/2023 Basics of FACTS devices
Dr. P. B. Darji



Day 2: 20/06/2023 SPV Technologies,
Dr. A.K. Panchal



Day 3 : 21/06/2023 Industrial Visit
220 kV Gas Insulated Substation, Torrent Power, Surat



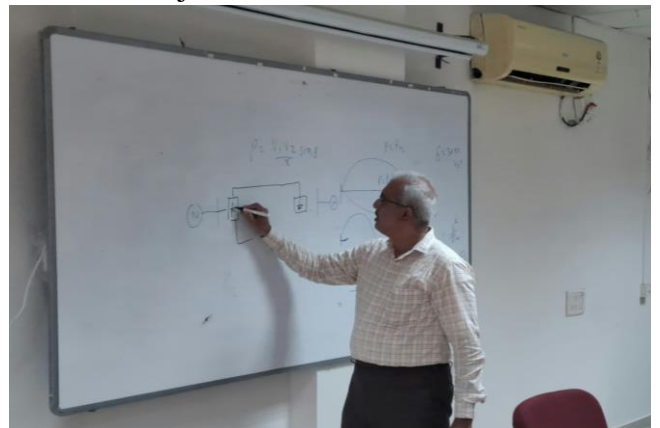
APFC Panel being explained by Engineer of
Torrent Power



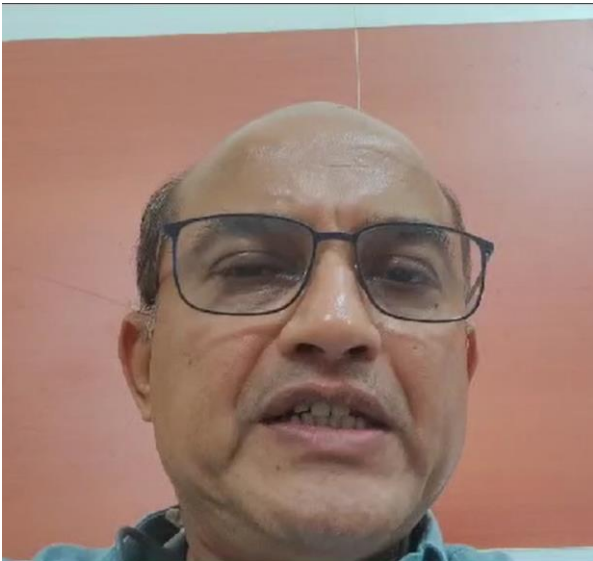
Day 4: 22/06/2023 Basics of APFC,
Dr. M. A. Mulla



Day 5: 23/06/2023 HVDC Systems,
Dr. P. B. Darji



Group Photograph Day 5: 23/06/2023



Dr. Sachin Parikh (Jt. Director, CTE Gujarat State)
delivering Video Message to participants during
valedictory function on 23/06/2023



Dr. P. P. Kotak (Principal, Ghandhy College)
delivering Video Message to participants
during valedictory function on 23/06/2023