

C. G. Patel Institute of Technology, Bardoli

Department of Electrical Engineering

Date: 20/12/2014

REPORT OF SHORT TERM TRAINING PROGRAM

ON

“APPLICATION OF POWER ELECTRONICS IN POWER SYSTEMS”

Title: Short Term Training Program on “Application of Power Electronics in Power Systems”

Organizing Department: Department Of Electrical Engineering, CGPIT, Bardoli.

Convener : Prof. Rakesh S. Gajre, Head (EC/EE), CGPIT, Bardoli.

Chief Coordinators : Mr. Ankur Rana, Asst. Prof. EED, CGPIT, Bardoli.

Mr. Darshan Vora, Asst. Prof. EED, CGPIT, Bardoli.

Co-coordinators : Mr. Chinmay Naik, Asst. Prof, EED, CGPIT Bardoli

Mr. Jay. A. Patel, Asst. Prof, EED, CGPIT Bardoli

Miss. Dharti Katti, Asst. Prof, EED, CGPIT Bardoli.

Mr. Umang S. Wani, Asst. Prof, EED, CGPIT Bardoli

Institute: Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli.

Target Audience: PG Students and Faculties of Electrical Engineering from various institutes in Gujarat and outside.

Total No. of participant: 37

Date of Program : 15/12/2014 to 19/12/2014

Invited Speakers:

- Dr. B. R. Parekh, Head Electrical Engg. B.V.M. Engg. College, V.V. Nagar (15/12/2014)
- Dr. Ritesh Patel, Head Electrical Engg. GCET, V.V. Nagar (15/12/2014)
- Dr. Vithal N. Kamat, MD, Baroda Meters, Vadodara, (16/12/2014)
- Prof. H.R.Jariwala, Asso. Prof. EED, SVNIT Surat. (16/12/2014)
- Dr. Vasundhara Mahajan, Asst. Prof. EED, SVNIT, Surat (17/12/2014)
- Mrs. Anuradha Deshpande, Prof. EED, M.S.University, Vadodara (17/12/2014)
- Prof. Shabbir Bohra, Asst. Prof. EED, SCET, Surat. (18/12/2014)
- Dr. Hardik Desai, Asso. Prof. EED, SCET, Surat (18/12/2014)
- Dr. Ashish K.Panchal, Asso. Prof. EED, SVNIT, Surat (19/12/2014)
- Dr. Hiren H. Patel, Prof. EED, SCET, Surat, (19/12/2014)

Details of the Short Term Training Program :

Department Of Electrical Engineering, CGPIT had organized one week Short Term Training Program on “Application of Power Electronics in Power Systems” sponsored by Uka Tarsadia University, under the banner of ISTE, CGPIT Chapter. Total number of 37 participants which includes faculties and students from various colleges of Gujarat and other state, had participated in the STTP. The STTP was coordinated by Prof. A. V. Rana and Prof. D.R. Vora of Electrical Department of CGPIT, Bardoli.

Schedule of the Program :

Date : 15/12/2014

Inauguration Session : (09:30 to 10:00), Venue : Dr. Jatin Desai Hall, CGPIT.

Session 1 : Dr. B. R. Parekh, Head, Electrical Engg. B.V.M Engg. College, V.V.Nagar.
(10:00 to 12:15)
Challenges faced by Power Sector

Session 2 : Dr. Ritesh Patel, Head, Electrical Engg. GCET, V.V. Nagar
(13:00 to 15:00)
Power Electronics in HVDC System

Session 3 : Prof. Umang S. Wani, Asst. Prof. EED, CGPIT, Bardoli,
(15:15 to 17:00)
Laboratory Practical Session on Effect of surge Impedance loading on Symmetrical Line.

Date : 16/12/2014

Session 1 : Dr. Vithal N. Kamat, M.D. Baroda Meters, Vadodara
(10:00 to 12:15)
Application of Artificial Intelligence in Power System.

Session 2 : Prof. H. R. Jariwala, Asso. Prof. EED, SVNIT, Surat.
(13:00 to 15:00)
Use of DVR and D-Statcom in Power System.

Session 3 : Prof. Ankur V. Rana, Asst. Prof. EED, CGPIT, Bardoli
(15:15 to 17:00)
Laboratory Practical Session on Use of Statcom.

Date : 17/12/2014

Session 1 : Dr. Vasundhara Mahajan, Asst. Prof. EED, SVNIT, Surat.
(10:00 to 12:15)
Power Quality Issues, Harmonics and Power Filters.

Session 2 : Mrs. Anuradha Deshpande, Prof. EED, Faculty of Engg. MSU, Vadodara.
(13:00 to 15:00)
Power Electronics Devices and its Applications to Power Systems.

Session 3 : Prof. Darshan R. Vora, Asst. Prof. EED, CGPIT, Bardoli
(15:15 to 17:00)
Laboratory Practical Session on Application of Power Electronics in Power Systems.

Date : 18/12/2014

Session 1 : Prof. Shabbir Bohra, Asst. Prof. EED, SCET, Surat
(10:00 to 12:15)
Basics of FACTS Devices and Reactive Power Control in Electrical Power Transmission Systems.

Session 2 : Dr. Hardik P. Desai, Asso. Prof. EED, SCET, Surat.
(13:00 to 15:00)
Series Connected FACTS Compensators.

Session 3 : Prof. Jay A. Patel, Assr. Prof. EED, CGPIT, Bardoli.
(15:15 to 17:00)
Laboratory Practical Session on High Voltage Engineering.

Date : 19/12/2014

Session 1 : Dr. Ashish K. Panchal, Asso. Prof. EED, SVNIT, Surat.
(10:00 to 12:15)
Basics of Renewable Energy Sources and PV Interface with Grid.

Session 2 : Dr. Hiren H. Patel, Prof. & Head EED, SCET, Surat.
(13:00 to 15:00)
Advance Power Electronics Interfaces for Distributed Energy Systems.

Session 3 : Valedictory and Certificate Distribution.

Details of feedback from participants :

	<i>Excellent</i>	<i>Good</i>	<i>Satisfactory</i>	<i>Poor</i>
A: Course content	70%	20%	10%	--
B: Course material	65%	20%	15%	--
C: Presentation	78%	12%	10%	--
D: Duration	60%	25%	15%	--
E: Faculty	80%	20%	-	--
F: General Arrangement	55%	35%	10%	--
G: Hospitality & Food	50%	25%	25%	--
H: Timing of the Program	65%	35%	--	--
I: Usefulness of the Program	90%	5%	5%	--

Some Memories of STTP :



UTU Song in Inaugural Ceremony



Lamp Lighting in Inauguration Ceremony



Lamp Lighting in Inauguration Ceremony



Inauguration Ceremony



Inaugural Speech By Dr. D. R. Shah and Dr. N. C. Shah



Class Room Session of STTP



Session by Dr. B. R. Parekh, Head, EED, BVM, V.V.Nagar



Session By Dr. Ritesh Patel, Head, EED, GCET, V.V.Nagar



Laboratory Session in STTP



Session by Dr. Vithal N. Kamat, MD, Baroda Meters, Vadodara



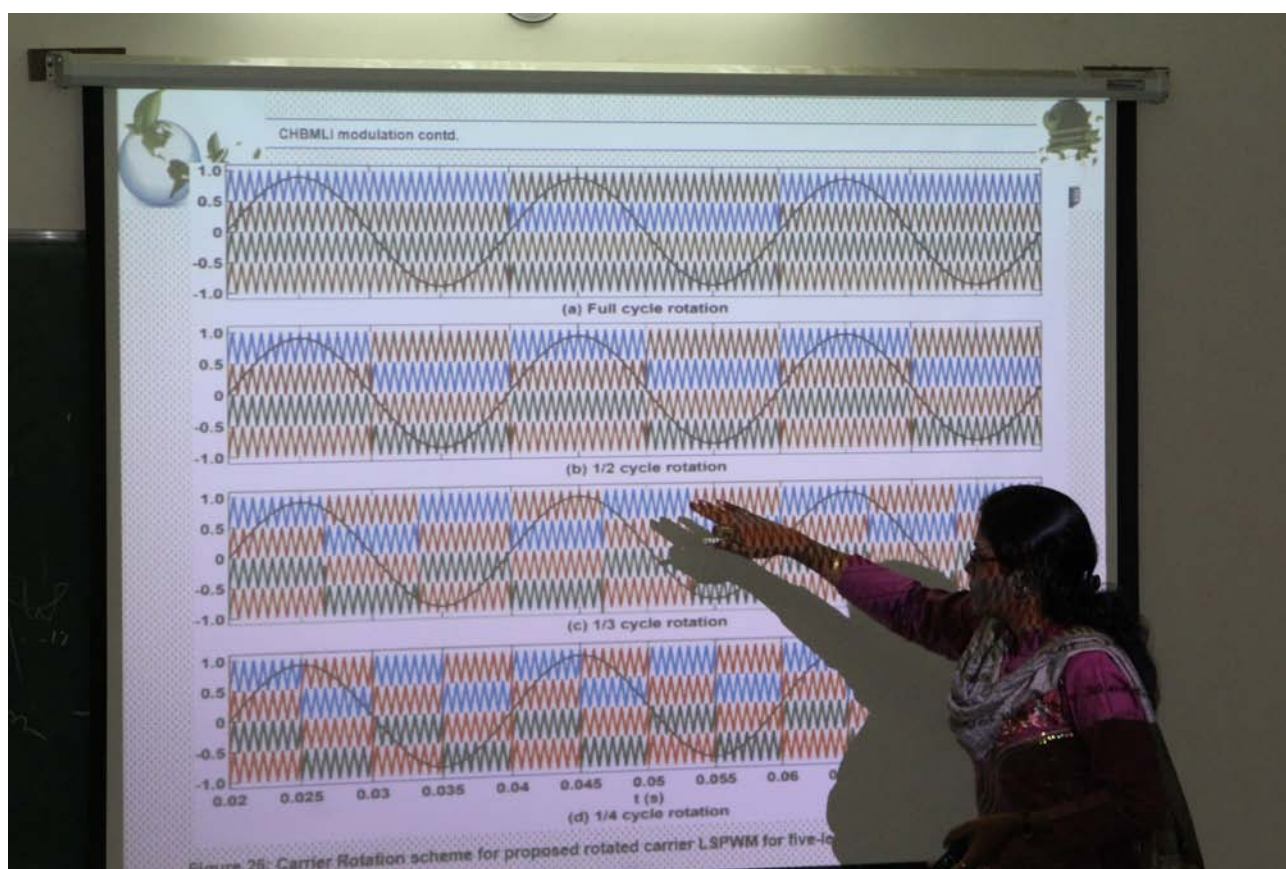
Felicitation of Dr. Vithal N. Kamat



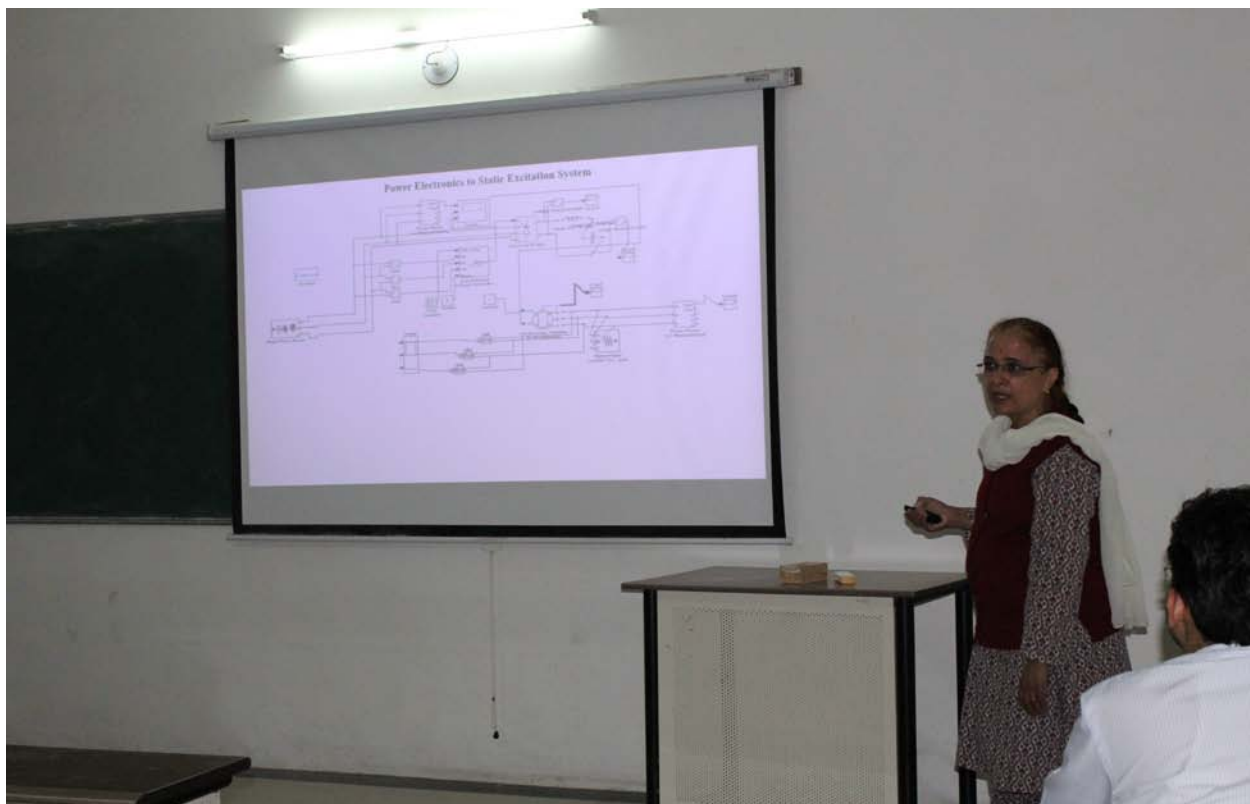
Interactive Session with Dr. Vithal N. Kamat



Session By Prof. H. R. Jariwala, Asso. Prof. EED, SVNIT Surat.



Session by Dr. Vasundhara Mahajan, Asst. Prof. EED, SVNIT Surat



Session By Mrs. Anuradha Deshpande, Prof. in EED, Faculty of Tech. MSU Vadodara



Session By. Prof. Shabbir Bohra, Asst. Prof. EED, SCET Surat.



Session By. Dr. Hardik P. Desai, Asso. Prof. EED, SCET, Surat



Session By. Dr. Ashish K. Panchal, Asso. Prof. EED, SVNIT Surat



Facilitation of Dr. Ashish K. Panchal



Session By Dr. Hiren H. Patel, Prof. & Head, EED, SCET, Surat



Valedictory Session



Certificate Distribution By Dr. N.C. Shah, Director, CGPIT, Bardoli



Certificate Distribution By Dr. N.C. Shah, Director, CGPIT, Bardoli



Certificate Distribution By Dr. N.C. Shah, Director, CGPIT, Bardoli



Certificate of Excellence By Dr. N.C. Shah, Director, CGPIT, Bardoli



Certificate of Excellence By Dr. N.C. Shah, Director, CGPIT, Bardoli



Certificate of Excellence By Dr. N.C. Shah, Director, CGPIT, Bardoli



Group Photograph of All STTP participants