

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

**(19<sup>th</sup> June 2023 to 23<sup>rd</sup> June 2023)**



**Organized by**

**ELECTRICAL ENGINEERING DEPARTMENT  
(NBA Accredited)**

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

**Web Site: [www.ssgc.cteguj.in](http://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 19<sup>th</sup> June 2023 to 23<sup>rd</sup> 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 SF<sub>6</sub> 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.

# **INDEX**

## **Sr. No. Topic**

- 1. STTP proposal sent to CTE**
- 2. Office order issued by CTE**
- 3. Attendance and Marksheet of quiz sent to ISTE for final certificates**
- 4. Actual Expenditure sheet**
- 5. Attendance sheet (sample)**
- 6. Certificate issued by ISTE (sample)**
- 7. Feedback by participants (sample)**
- 8. Photographs**



Phone : (O) 0261-2655799  
(R)0261-2650970  
Fax:0261-2656077



**GOVERNMENT OF GUJARAT  
TECHNICAL EDUCATION DEPARTMENT**

Dr. S. & S. S. Ghandhy College of Engg. & Tech., Majura Gate, SURAT. 395001

Web Site: [www.ssgc.cteguj.in](http://www.ssgc.cteguj.in)

Email: [ssgp-surat-dte@gujarat.gov.in](mailto:ssgp-surat-dte@gujarat.gov.in)

No: **SSGP/STTP/ELE/1098**

Date: **18-05-2023**

To,  
The Commissionerate of Technical Education,  
6th Floor, Block No. 2-D,  
Karmayogi Bhavan, Sector 10-A,  
Gandhinagar-382010

**Subject:- Regarding permission for organising self-financed ISTE approved STTP.**

Respected Sir,

With reference to subject cited above, the Electrical Engineering Department (NBA Accredited for years 2021-22 to 2023-24) of our institute is planning to arrange offline self-financed ISTE approved State Level Short Term Training Programme on "Applications of Power Electronics in Power Systems" during 19<sup>th</sup> June to 23<sup>rd</sup> June 2023 at our institute. This STTP has been planned for compliance to the NBA evaluator's report which stated that no state level STTP was organised by the Department.

The faculties of Electrical, Electronics & Power Electronics branches from Diploma as well as Degree Engineering Colleges under Government of Gujarat, Grant in aid and Self finance colleges all over the Gujarat state shall be eligible to apply for the said training. The fees per participant shall be Rs. 2000/- with minimum number of 30 participants. Kindly grant us permission to utilize these fees for the expenses to be incurred for the STTP.

We request you to kindly permit us to organize the STTP with instruction to participants to draw TA/DA from their respective institutes from the budget head of TED-7.

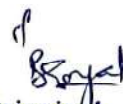
We also request to upload the said training on TNA portal so that the faculties of Government Diploma and Degree Engineering Institutes of Gujarat state can apply.

Kindly grant the permission for organising the training at our institute.

Thanking You.

Yours faithfully,

- Encl.: 1. Sanction letter from ISTE, New Delhi  
2. Schedule of STTP  
3. Details of Expenses  
4. Brochure/Registration form  
5. Brief CVs of all resource persons

  
**Principal**  
**Dr. S. and S. S. Ghandhy College**  
**of Engineering and Technology,**  
**Majura Gate, Surat.**



# भारतीय तकनीकी शिक्षा संस्था INDIAN SOCIETY FOR TECHNICAL EDUCATION

(Under the Societies' Registration Act XXI of 1860)

**Prof. Valdyia Vijay Dattatray**  
Executive Secretary

ISTE/Proceedings/STTP-SF-GUJ-02/2023-24

May 11, 2023

## **Proceedings of Executive Secretary, ISTE**

Sub. : Sanction to conduct full time Short-term Training Programme on Self-financing basis for the financial year 2023-2024.

Sanction is hereby accorded to the following institution for the conduct of the SF- STTP/FDP programme indicated below:

|                                |   |   |
|--------------------------------|---|---|
| Name of Institution            | : | Dr. S. & S.S. Ghandhy College of Engg. & Tech.<br>Surat – 395 001 |
| Topic                          | : | Applications of Power Electronics in Power System                 |
| Name & Address of Coordinators | : | Mr. Chinmay D. Shukla Mr. Gunjan D.Gabani<br>Lecturer Lecturer    |
| Duration                       | : | One Week<br>(Minimum 05 Working Days)                             |
| Proposed dates                 | : | 19-06-2023 to 23-06-2023  |

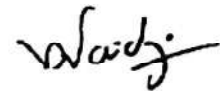
## **Terms and Conditions**

The institution offering the Programmes should be approved by AICTE and must be Institutional Member of ISTE. Institutions having ISTE Faculty Chapter and Students Chapter shall be preferred. There will be no financial commitment on the part of ISTE on account of this programme. The fee of one **proposal is Rs. 1180/- (Incl. 18% GST)** paid by DD in favour of ISTE New Delhi along with proposal or by NEFT/RTGS in the following ISTE Account **(Name of Account: ISTE Membership Fee, Account No: 6707247614 Bank: Indian Bank IFSC Code: IDIB000M089 Branch: Mehrauli Road New Delhi)**.

- 1 This will be a Self Financing program of the duration of 1 week/2 weeks/4 weeks.
- 2 The registration fee of the participants may be fixed by the host institution.
- 3 ISTE Life membership is necessary for participants to attend SF programmes. However, If any participant is not having life membership he/she may take the membership of ISTE before the starting of the course and apply by paying the fee to the course coordinator at the spot before the commencement of the programme. The Life Membership fee is Rs. 3540/- (Incl. 18% GST) to be paid by DD in favour of ISTE New Delhi or by NEFT/RTGS as per above Account details.

--/-2

- 4 The final report as mentioned in these guidelines is to be submitted online to ISTE within 15 days after completion of the Programme.
- 5 The institute should ensure that the Resource Persons should be well known personalities having thorough knowledge and he/she should be from an Institute or Industry.
- 6 **e-Certificate to ISTE Life Members will be issued by ISTE from this office. Operational and processing fee of Rs. 100 +18% GST (Total Rs. 118/-) will be charged per participant. Institute conducting the program will collect the fee from participants and will send it to ISTE by DD or NEFT/RTGS with list of participants with their ISTE Life Membership Number. Institute conducting program will not issue Certificates with ISTE logo to Participants. Course coordinator is requested to ensure the same and attach payment proof or UTR number.**
- 7 **At least one test at the end is to be conducted to judge the performance of participants. Institute can conduct more test, if they desire. Attendance and successful completion of Test conducted is mandatory to receive certification by ISTE. Co Ordinator should ensure this while submitting list of participants to ISTE.**
- 8 **The Digital e-certificates to eligible participants will be sent by ISTE Delhi through organizing Institute.** The certificate contains the ISTE logo at the top. The digitally signed e-certificates will bear the Signatures of Executive Secretary, ISTE.
- 9 Covid Guidelines issued from time to time are to be followed strictly as notified by the Govt. during the Programme.



Executive Secretary

To,

Ms. B.H. Goyal  
Principal  
Dr. S. & S. S. Ghandhy College of Engineering & Technology  
Majura Gate, Surat – 395 001  
Gujarat State



Copy to:

Mr. Chinmay D. Shukla  
Coordinator  
Dr. S. & S. S. Ghandhy College of Engineering & Technology  
Majura Gate, Surat – 395 001  
Gujarat State

Inward No: 1203  
Dt: 11/5/23  
SSGP, SURAT

DR. S. & S. S. GHANDHY COLLEGE OF ENGINEERING & TECHNOLOGY, SURAT

ELECTRICAL ENGINEERING DEPARTMENT

*ISTE & CTE Approved*

STTP on Applications of Power Electronics in Power Systems

| TIME                | MONDAY  | TUESDAY  | WEDNESDAY        | THURSDAY   | FRIDAY   |
|---------------------|---|--|------------------|--|--|
|                     | 19/06/2023  | 20/06/2023   | 21/06/2023       | 22/06/2023   | 23/06/2023   |
| 09:30 AM - 11:00AM  | Registration & Inauguration   | Basics of Reactive Power Control and Introduction to PET<br>(Mr. J. M. Patel, LEE, SSGP Surat) | Industrial Visit | Basics of APFC<br>(Dr. M. A. Mulla, SVNIT Surat)                                     | HVDC Systems<br>(Dr. P. B. Darji, SVNIT Surat)               |
| 11:00 AM - 11:15 AM | TEA BREAK   |  |                  |  |  |
| 11:15 AM - 12:45 PM | Role of Power Electronics in Power Systems<br>(Mr. C. D. Shukla, LEE, SSGP Surat) | PV STATCOM<br>(Dr. Rajan Vamja, NiTech, Surat)   | Industrial Visit | Applications & Implementation of APFC<br>(Dr. M. A. Mulla, SVNIT Surat)              | Simulation of HVDC systems<br>(Dr. P. B. Darji, SVNIT Surat) |
| 12:45 PM - 1:45 PM  | LUNCH BREAK   |  |                  |  |  |
| 1:45 PM - 3:15 PM   | Basics of FACTS devices<br>(Dr. P. B. Darji, SVNIT Surat)                         | Why Renewable Sources for India?<br>(Dr. A. K. Panchal, SVNIT Surat)                           | Industrial Visit | Controllers for FACTS, APFC<br>(Prof. J. J. Patel, NiTech, Surat)                    | Quiz   |
| 3:15 PM - 3:30 PM   | TEA BREAK   |  |                  |  |  |
| 3:30 PM - 5:00 PM   | Implementation of FACTS devices<br>(Dr. P. B. Darji, SVNIT Surat)                 | SPV Technology & Applications<br>(Dr. A. K. Panchal, SVNIT Surat)                              | Industrial Visit | Demonstration of Active filters for Power System<br>(Dr. Rajan Vamja, NiTech, Surat) | Valedictory & Feedback                                       |

  
Coordinator

  
Head  
Electrical Engg. Dept.

  
Principal  
Principal  
Dr. S. & S. S. Ghandhy  
College of Engg. & Tech.  
SURAT.

**REGISTRATION FORM**  
**ISTE & CTE approved Short Term**  
**Training Program (Off-line)**

On  
**Applications of Power Electronics in**  
**Power Systems**  
(19<sup>th</sup> June 2023 to 23<sup>rd</sup> June 2023)

Name \_\_\_\_\_

Designation \_\_\_\_\_

Discipline \_\_\_\_\_

Organization \_\_\_\_\_

Mailing Address \_\_\_\_\_

\_\_\_\_\_

ISTE Membership: - Yes/ No \_\_\_\_\_

If Yes, ISTE Membership No. \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

Highest Qualification \_\_\_\_\_

Experience \_\_\_\_\_ Years

Reg. Fees Transaction No. \_\_\_\_\_

Signature of Candidate: \_\_\_\_\_

Recommended by: \_\_\_\_\_

Signature (Head of Institution/Organization with Seal)

Registration Link:  
<https://forms.gle/oTfa2Eruov3SPAiXA>



**Patrons**

**Dr. P. P. Kotak**

**Principal**

**Dr. S. & S. S. Ghandhy College of**  
**Engineering & Technology, Surat**

**Shri J. S. Doshi**

**Head**

**Electrical Engineering Department**

**Co-ordinator**

**Shri C. D. Shukla**

**Lecturer in Electrical Engg. Department**

**Co-Co-ordinator**

**Shri G. D. Gabani**

**Lecturer in Electrical Engg. Department**

**Resource persons**

**Faculties from SVNIT, Surat and**

**Industry Experts**

**ISTE & CTE Approved**  
**One Week**  
**Short Term Training**

**Program on**

**Applications of Power Electronics in**  
**Power Systems**  
(19<sup>th</sup> June 2023 to 23<sup>rd</sup> 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](http://www.ssgc.cteguj.in)**



## ABOUT THE INSTITUTE

Dr. S. & S. S. Ghandhy College of Engg. & Technology is situated in SURAT, the second largest city of Gujarat State. This institute is one of the oldest and largest technical institutions of Gujarat. It was established in June 1955. The donor Late Dr. Sorabji & Sarosh Sorabji Ghandhy, a local Zoroastrian Medical Practitioner, was the prime driving force behind the establishment of this institute, who donated Rs. 0.52 million in the year of 1952. Actually, he had a dream of starting a degree engineering college, not just a polytechnic and so he named the college as Dr. S. & S. S. Ghandhy College of Engg. & Technology. Later on the Government of Bombay State acquired the land building and equipment at the cost of Rs. 0.605 million. At present 13 three-year Diploma courses with total intake capacity of 990 students run by this institute under Gujarat Technological University.

## COURSES OFFERED

- Automation & Robotics
- Automobile Engineering (NBA accredited)
- Civil Engineering (NBA accredited)
- Computer Engineering
- **Electrical Engineering (NBA accredited)**
- Information & Communication Technology
- Information Technology
- Mechanical Engineering- CAD/CAM
- Mechanical Engineering (NBA accredited)
- Metallurgy Engineering (NBA accredited)
- Power Electronics
- Textile Manufacturing Technology
- Textile Processing Technology

## INSTITUTE VISION

To be a unique center of excellence in technical education and innovation for sustainable growth of industry and society.

## ABOUT THE DEPARTMENT

The Electrical Engineering Department was established in 1958 and NBA accredited. The department has five fully equipped laboratories and well qualified and experienced faculties. The students of the Electrical Engineering Department are placed in renowned MNCs and in reputed institutes for higher studies.

## VISION OF DEPARTMENT

Be A Front Runner In Electrical Engineering Field By Shaping Young Minds Into Technically Sound Diploma Engineers Through Sustainable Development, Who Will Foster The Society And Industry.

## PROGRAM OBJECTIVE

The main objective of this course is to increase awareness about Applications of Power Electronics in Power Systems amongst the teaching fraternity which shall be useful to the students and the society as whole.

## COURSE CONTENT

- Power Electronics in Power Systems
- Introduction of FACTS devices
- APFC systems
- Renewable Energy Sources
- Power Electronic Transformers
- Control devices
- HVDC systems
- Field Visit

## PARTICIPATION

Interested faculties from Diploma and Degree Engineering Institutes of Electrical, Electronics and Power Electronics disciplines will be eligible to participate in the short-term training program. No accommodation/TA-DA will be provided by the institute. Application form duly signed by the candidate and the head of the Institute has to be duly filled, scanned and uploaded in the registration link provided.

## REGISTRATION FEE: -

Rs. 2000/- has to be paid through Net banking / online or by a demand draft in favor of “PRINCIPAL - DR. S. & S. S. GHANDHY COLLEGE OF ENGG. & TECHNOLOGY, SURAT” and the transaction slip/ receipt with transaction I.D. or copy of demand draft has to be uploaded in the google link provided for online registration.

## CORRESPONDENCE: -

**Shri C. D. Shukla, Coordinator**  
**9879156361, sttpelectssg@gmail.com**  
**Shri G. D. Gabani, Co-Coordinator,**  
**9924238242, sttpelectssg@gmail.com**

### Note:

1. Candidates are supposed to scan and upload the registration form and payment proof in the online registration link.
2. Selected Candidates shall be informed by e-mail.
3. Only ISTE member shall be eligible to attend STTP.
4. ISTE membership forms shall be available at the time of registration

## ONLINE PAYMENT DETAILS:

### ACCOUNT NAME:

“PRINCIPAL - DR. S. & S. S. GHANDHY COLLEGE OF ENGG. & TECHNOLOGY, SURAT”  
BANK NAME: ICICI BANK, Ring Road, Surat  
ACCOUNT NO: 624601067410  
IFSC CODE: ICIC0006246

**Last date for registration: -12<sup>th</sup> June 2023**

## BRIEF CVs OF RESOURCE PERSONS

**1. Name: Dr. Ashish K. Panchal**

**Education**

Ph.D. (Solar Photovoltaics), IIT Bombay, 2010.

M. Tech. (Energy Systems Engineering), IIT Bombay, 2003.

B.E. (Electrical), S V Regional College of Engineering & Technology-Surat, 1996.

**Area of interest**

Photovoltaic System modelling and simulation, Photovoltaic power converters and control, Novel photovoltaic maximum power point tracking algorithms, PV power applications for battery charging and grid interface, Standalone PV-Battery charging systems with advance battery charging algorithms, PV to EV- photovoltaic energy for electric vehicles, PV third generation Silicon thin film deposition and characterizations, Novel algorithms for power flow analysis and power system stability.

**Appointments**

- Head of the Department of Electrical Engineering, SVNIT-Surat, 16 December 2021 to 15 December 2023.
- Professor in Electrical Engineering Department, SVNIT-Surat, January-2019 to till date

**Total Academic experience of 27 years**

**2. Name: Dr. M. A. Mulla:**

- Mahmdasraf A. Mulla (IEEE S'97-M'11-SM'23) received the B. E. degree in electrical engineering from the Sardar Vallabhbhai National Institute of Technology, Surat, India, in June 1995 and M. E. degree from the M. S. University, Vadodara, India, in June 1997 and Ph. D. degree from SVNIT, Surat, India in January 2015.
- He has more than 25 years of teaching experience. He is working as an Associate Professor in the department of electrical engineering at the Sardar Vallabhbhai National Institute of Technology, Surat, India since 16-Sep-2010.
- He has a total of 87 publications to his credit, which include 02 books, 06 book chapters, 41 journal articles, and 38 conference articles.
- He is a senior member of the IEEE, Member of the Institution of Engineering and Technology (MIET), Fellow of Institution of Engineers (IE) India, Fellow of the Institute of Electronics and Telecommunication Engineers (IETE), member of the International Association of Engineers (IAENG), and Indian Society of Technical Education (ISTE).

**3. Name: Dr. Darji Pranavkumar B.**

**Qualification:**

PhD: IIT Bombay

M.E: IISc, Bangalore

B.E: Government Engineering College, Modasa

**Area of Interest:** Power System Dynamics, HVDC, FACTS Controllers.

**Teaching Experience:**

- Lecturer in Electrical Engineering Department, SVNIT Surat (NIT, Surat), January-1999 to January-2013.
- Associate Professor in Electrical Engineering Department, SVNIT (NIT, Surat), January 2013 till date.

4. **Name: Shri Janak J. Patel**

**Qualification:** Masters in Electrical Engg. from MSU Baroda

**Designation:** Partner and CTO National Infotech, Surat

Ex. Associate Professor Electrical Engineering Department, SVNIT Surat

**Area of interest:** Power Electronics And Embedded Systems

**Total Academic Experience:** More than 30 years

5. **Name: Dr. Rajan Vamja**

**Qualification:** Ph. D and Masters in Power Electronics from SVNIT, Surat

**Designation:** Personnel Trainer and R & D Manager , Ni Tech, Surat

**Area of Interest:** Expertise in Power Electronics and Embedded Systems

Vast experience of technical teaching/training and also have grip for different power electronics prototyping [GRID CONNECTED SYSTEM(STACOM, PV-INVERTER,DVR), ELECTRICAL DRIVES(PMSM,IM,BLDC,SRM)]

6. **Name: Jasmin M. Patel**

**Qualification:**

M. Tech. Electrical – Gold Medal (Industrial Electronics): SVNIT, Surat

B. E. Electrical: L. D. College of Engineering, Ahmedabad.

**Experience:**

- Presently working as Lecturer in Electrical Engineering, Dr. S. & S. S. Ghandhy College of Engg. & Tech., Surat,
- Date of joining by Govt. system: 29 June 1998

**Area of Interest:** Power Electronics, Microcontrollers and Embedded systems

7. **Name: Chinmay D. Shukla**

**Qualification:**

M. Tech. Electrical (Power Electronics & Electric Drives): SVNIT, Surat

B. E. Electrical: S V Regional College of Engg. & Tech., Surat

D. E. E: Dr. S. & S. S. Ghandhy College of Engg. & Tech., Surat (TEB Gandhinagar)

**Experience:**

22 years academic and 04 years Industrial Experience.

- Presently working as Lecturer in Electrical Engineering, Dr. S. & S. S. Ghandhy College of Engg. & Tech., Surat,
- Date of joining by GPSC: 01 March 2005

**Area of Interest:** Power Electronics, Renewable Energy Sources and Energy Conservation.



Commissionerate of Technical Education, Gujarat State

કમિશનરશ્રી, ટેકનીકલ શિક્ષણની કચેરી, ગુજરાત રાજ્ય



બ્લોક નં. ૨-ડી, કમયોગી ભવન, છઠો માળે,  
સેક્ટર ૧૦એ, ગાંધીનગર-૩૮૨ ૦૧૦.

6<sup>th</sup> Floor, Block No. 2-D, Karmayogi Bhavan,  
Sector 10-A, Gandhinagar-382010.

☎ : (079) 23253546  
URL : <http://dte.gujarat.gov.in>

FAX : (079) 232 53539  
E-mail: [dire-dte@gujarat.gov.in](mailto:dire-dte@gujarat.gov.in)

No. CTE/Training Cell/SSGP\_23\_1/23-24/ 3696

Date: 14 JUN 2023

Read: Govt. of Gujarat, GAD Resolution No.TRG-10-2004-4747-VSTP-3 dated 25.05.09

**OFFICE ORDER:**

With reference to the online submission of TNA and subsequent online application for the training enlisted in training calendar by various faculties, approval is being given to faculties (as per Appendix-I) to attend the training program **Applications of Power Electronics in Power Systems (SSGP\_23\_1)** to be held at **SSGP, Surat** on date **19-06-2023 to 23-06-2023** subject to the following conditions.

- Participants have to attend all the session of training program in fruitful manner.
- Alternative arrangement of the workload of the faculties during the training period is to be made at institute level. The participant attending the said program shall be treated as on duty for the actual period of training and reasonable time spent on journey.
- In case if faculty member is unable to participate due to genuine cause or unavoidable circumstances, Head of Institute has to verify the same and intimate to this office with remarks.
- Faculty is permitted to draw/reimburse Registration fee (if admissible) of Rs. 2000/- (Rupees Two Thousand only) and TA/DA (if admissible) after successful completion and on produce of certificate for said training program as per prevailing State Government rules from the budget grant under TED-7 only.
- Participant faculty has to prepare & submit the training report. **Overall feedback as well as training certificate after completion of the program must be uploaded on FSD portal within 15 days.** Failing of which may be considered ineligible for any further approval of training.
- On successful fulfillment for training requirements, participant faculties have to complete assignments work and appear for evaluation/exam according to the schedule.

(Dr. Ragesh Kapadia)  
Officer on Special Duty  
Technical Education

To the concerned faculty members as shown above (**through E-mail to the Principal**)

To,

1. Budget branch (F) DTE for in time release of grant to the respective institute.
2. Establishment (GH) branch DTE

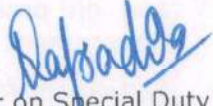
## APPENDIX-I

### Commissionerate of Technical Education, Gujarat State, Gandhinagar

Prog. Code :: SSGP\_23\_1, "Applications of Power Electronics in Power Systems"  
Venue :: SSGP, Surat  
Period :: 19-06-2023 to 23-06-2023.

#### List of Participants

| Sr. No. | Name                              | Designation | Dept.      | Institute    |
|---------|-----------------------------------|-------------|------------|--------------|
| 1.      | CHAND DEVENDRASINH THAKOR         | AP (CI-2)   | Electrical | GEC, Valsad  |
| 2.      | ALPESHBHAI RAMESHBHAI MAHYAVANSHI | Lecturer    | Electrical | GP, Dahod    |
| 3.      | AMITKUMAR JIVANBHAI PATEL         | Lecturer    | Electrical | GP, Dahod    |
| 4.      | KEYUR KALPESHKUMAR MEHTA          | Lecturer    | Electrical | GP, Junagadh |
| 5.      | RAJESHKUMAR RANCHHODBHAI KORIYA   | Lecturer    | Electrical | GP, Junagadh |
| 6.      | JIGNESH NAVINCHANDRA PANDYA       | Lecturer    | Electrical | GP, Kheda    |
| 7.      | NIRAVKUMAR JASHVANTBHAI PATEL     | Lecturer    | Electrical | GP, Navsari  |
| 8.      | CHIRAGKUMAR KANTIBHAI TAILOR      | Lecturer    | Electrical | GP, Navsari  |
| 9.      | RINKU RATNESH SHUKLA              | HOD         | Electrical | GP, Valsad   |
| 10.     | HARSHAL BABULAL SHARMA            | Lecturer    | Electrical | GP, Valsad   |
| 11.     | NAMRATA MANUBHAI PATEL            | Lecturer    | Electrical | GP, Valsad   |
| 12.     | PARULA DENISH VACHHANI            | Lecturer    | Electrical | GP, Valsad   |
| 13.     | BHAVESH CHANDULAL VAGHASIYA       | Lecturer    | Electrical | JNMP, Amreli |
| 14.     | CHETAN DIPAKBHAI CHAUDHARI        | Lecturer    | Electrical | KJP, Bharuch |
| 15.     | DHARMILKUMAR VIPULBHAI SHAH       | Lecturer    | Electrical | KJP, Bharuch |
| 16.     | SUKHDEV UDHAVDAS DALWANI          | Lecturer    | Electrical | SSGP, Surat  |
| 17.     | KAMINIBEN HASMUKHBHAI PATEL       | Lecturer    | Electrical | SSGP, Surat  |
| 18.     | KINNA NAVNITLAL PATEL             | Lecturer    | Electrical | SSGP, Surat  |
| 19.     | TEJAL HEMANSHU PATEL              | Lecturer    | Electrical | SSGP, Surat  |
| 20.     | UPASNA MAHESHBHAI PATEL           | Lecturer    | Electrical | SSGP, Surat  |

  
Officer on Special Duty  
Technical Education

| DR. S. & S. S. GHANDHY COLLEGE OF ENGINEERING & TECHNOLOGY, MAJURA GATE, SURAT                                  |                                 |                   |   |                     |               |                             |                                     |            |  |
|---|---------------------------------|-------------------|---|---------------------|---------------|-----------------------------|-------------------------------------|------------|--|
| ELECTRICAL ENGINEERING DEPARTMENT   |                                 |                   |   |                     |               |                             |                                     |            |  |
| ISTE & CTE APPROVED STTP ON: "APPLICATIONS OF POWER ELECTRONICS IN POWER SYSTEMS" FROM 19/06/2023 TO 23/06/2023 |                                 |                   |   |                     |               |                             |                                     |            |  |
| SR. NO.   | NAME                            | DESIGNATION       | ORGANIZATION                              | ISTE MEMBERSHIP NO. | MOBILE NUMBER | EMAIL ID                    | MARKS SCORED IN TEST/QUIZ OUT OF 25 | ATTENDANCE |  |
| 1   | Mr. ROHITKUMAR BABUBHAI DAMOR   | ASSIST. PROFESSOR | GIDC DEGREE ENGINEERING COLLEGE, ABRAMA   | LM 114407           | 8758168374    | rbd.eed@gdec.in             | 25                                  | 100%       |  |
| 2   | Mr. ANKURKUMAR PRAMODBHAI DESAI | ASSIST. PROFESSOR | GIDC DEGREE ENGINEERING COLLEGE, NAVSARI  | LM 102384           | 8511224911    | apd.eed@gdec.in             | 19                                  | 100%       |  |
| 3   | Mr. RAJESHKUMAR AMBALAL PATEL   | LECTURER          | TAPI DIPLOMA ENGINEERING COLLEGE SURAT    | LM62705             | 9998876759    | rajeshapatel24@gmail.com    | 22                                  | 100%       |  |
| 4   | Mrs. CHAND DEVENDRASINH THAKOR  | ASSIST. PROFESSOR | GOVERNMENT ENGINEERING COLLEGE VALSAD     | LM 137404           | 9725946320    | cdthakor@gecv.ac.in         | 24                                  | 100%       |  |
| 5   | Mr. RAVISINGH JAYWANTSINGH      | LECTURER          | A.Y.DADABHAI TECHNICAL INSTITUTE, KOSAMBA | LM133962            | 9904681082    | ravisinghforyou@gmail.com   | 20                                  | 100%       |  |
| 6   | Ms. SNEHA ROHAN MANIK           | LECTURER          | A.Y.DADABHAI TECHNICAL INSTITUTE, KOSAMBA | LM85294             | 9537683020    | sneha_1613@yahoo.com        | 20                                  | 100%       |  |
| 7   | Mr. DIVYANG PRAVINBHAI PATEL    | ASSIST. PROFESSOR | PACIFIC SCHOOL OF ENGINEERING, SURAT      | LM 119733           | 7201811522    | divyang3777@gmail.com       | 20                                  | 100%       |  |
| 8   | Ms. RINKU R. SHUKLA             | HOD ELECTRICAL    | GOVERNMENT POLYTECHNIC, VALSAD            | LM94109             | 9427952708    | rinkooshukla27@gmail.com    | 24                                  | 100%       |  |
| 9   | Ms. NAMRATA MANUBHAI PATEL      | LECTURER          | GOVERNMENT POLYTECHNIC VALSAD             | LM137401            | 9427944222    | namratapatel@gpvalsad.ac.in | 25                                  | 100%       |  |

| SR. NO. | NAME                                  | DESIGNATION | ORGANIZATION  | ISTE MEMBERSHIP NO. | MOBILE NUMBER | EMAIL ID                    | MARKS SCORED IN TEST/QUIZ OUT OF 25 | ATTENDANCE |
|---------|---------------------------------------|-------------|---|---------------------|---------------|-----------------------------|-------------------------------------|------------|
| 10      | Mr. NIRAVKUMAR JASHVANTBHAI PATEL     | LECTURER    | GOVERNMENT POLYTECHNIC NAVSARI                      | LM134017            | 9979563907    | ernirav911@gmail.com        | 22                                  | 100%       |
| 11      | Mr. CHIRAGKUMAR KANTIBHAI TAILOR      | LECTURER    | GOVERNMENT POLYTECHNIC NAVSARI                      | LM137409            | 9727915960    | chiragtailor40@gmail.com    | 23                                  | 100%       |
| 12      | Mr. AMITKUMAR JIVANBHAI PATEL         | LECTURER    | GOVERNMENT POLYTECHNIC DAHOD                        | LM97411             | 9979700522    | amitpate1169@gmail.com      | 24                                  | 100%       |
| 13      | Ms. KINNA NAVNITLAL PATEL             | LECTURER    | DR. S. & S. GHANDHY COLLEGE OF ENGG. & TECH., SURAT | LM 75018            | 9376737501    | kinnasurat395009@gmail.com  | 24                                  | 100%       |
| 14      | Mr. ALPESHBHAI RAMESHBHAI MAHYAVANSHI | LECTURER    | GOVERNMENT POLYTECHNIC DAHOD                        | LM 49798            | 9824573878    | alpeshmahyavanshi@gmail.com | 24                                  | 100%       |
| 15      | Mr. SUKHDEV UDHAVDAS DALWANI          | LECTURER    | DR. S. & S. GHANDHY COLLEGE OF ENGG. & TECH., SURAT | LM 58274            | 9376737501    | sukhdevdalwant@gmail.com    | 25                                  | 100%       |
| 16      | Ms. PARULA DENISH VACHHANI            | LECTURER    | GOVERNMENT POLYTECHNIC, VALSAD                      | LM94110             | 99982 23375   | parulaa79@gmail.com         | 23                                  | 100%       |
| 17      | Mrs. TEJAL HEMANSHU PATEL             | LECTURER    | DR. S. & S. GHANDHY COLLEGE OF ENGG. & TECH., SURAT | LM 131121           | 8141971675    | patejtejal.239@gmail.com    | 19                                  | 100%       |
| 18      | Mr. CHETAN DIPAKBHAI CHAUDHARI        | LECTURER    | SHRI K. J. POLYTECHNIC, BHARUCH                     | LM 134081           | 9033160785    | cdchaudhariee@gmail.com     | 25                                  | 100%       |
| 19      | Ms. UPASNA MAHESHBHAI PATEL           | LECTURER    | DR. S. & S. GHANDHY COLLEGE OF ENGG. & TECH., SURAT | LM 134082           | 8141971675    | ups180191@gmail.com         | 22                                  | 100%       |

| SR. NO. | NAME                                | DESIGNATION | ORGANIZATION  | ISTE MEMBERSHIP NO. | MOBILE NUMBER | EMAIL ID                     | MARKS SCORED IN TEST/QUIZ OUT OF 25 | ATTENDANCE |
|---------|-------------------------------------|-------------|---|---------------------|---------------|------------------------------|-------------------------------------|------------|
| 20      | Ms. KAMINIBEN HASMUKHBHAI PATEL     | LECTURER    | DR. S. & S. GHANDHY COLLEGE OF ENGG. & TECH., SURAT | LM-137427           | 8401749968    | Kaminib10@gmail.com          | 17                                  | 100%       |
| 21      | Mr. DHARMILKUMAR VIPULBHAI SHAH     | LECTURER    | SHRI K. J. POLYTECHNIC, BHARUCH                     | LM 137414           | 9039946730    | dharmilshah26@gmail.com      | 24                                  | 100%       |
| 22      | Mr. RAJESHKUMAR RANCHHODBHAI KORIYA | LECTURER    | GOVERNMENT POLYTECHNIC JUNAGADH                     | LM 134867           | 7567844596    | koriyarajesh1@gmail.com      | 19                                  | 100%       |
| 23      | Mr. KEYUR KALPESHKUMAR MEHTA        | LECTURER    | GOVERNMENT POLYTECHNIC JUNAGADH                     | LM90269             | 9924838331    | kk06eee394@gmail.com         | 21                                  | 100%       |
| 24      | Mr. HARSHAL BABULAL SHARMA          | LECTURER    | GOVERNMENT POLYTECHNIC VALSAD                       | LM117547            | 7959261266    | harshalsharma@gpvalsad.ac.in | 20                                  | 100%       |
| 25      | Mr. BHAVESH CHANDULAL VAGHASIYA     | LECTURER    | DR.J.N.M.G.P. AMRELI                                | LM118581            | 9979086990    | bvaghhasiya007@gmail.com     | 23                                  | 100%       |
| 26      | Ms. HIRAL MAYANK SHAH               | LECTURER    | C.G.P.I.T., DIPLOMA                                 | LM 100191           | 9228266962    | hiral.mshah@utu.ac.in        | 14                                  | 100%       |

*(C.D. SHUKLA)*  
CO-ORDINATOR  
STTP

*(Signature)*  
Head of Electrical  
Engineering Department  
Dr. S. & S.S. Ghandhy College  
of Engineering & Technology  
Majura Gate, Surat.

*(Signature)*  
Principal.  
Dr. S. and S. S. Ghandhy  
College of Engineering and Technology,  
Majura Gate, Surat.



# ACTUAL INCOME EXPENDITURE SHEET

| DR. S. & S. S. GHANDHY COLLEGE OF ENGINEERING & TECHNOLOGY,<br>SURAT  |   |                     |
|---|---|---------------------|
| STTP ON APPLICATIONS OF POWER ELECTRONICS IN POWER SYSTEMS<br>(OFFLINE)<br>(19 <sup>TH</sup> JUNE 2023 TO 23 <sup>RD</sup> JUNE 2023) |   |                     |
| ORGANIZED BY<br>ELECTRICAL ENGINEERING DEPARTMENT   |   |                     |
| INCOME/EXPENDITURE SHEET  |   |                     |
| Income as fees received from<br>Participants  | Expenditure head  | Amount<br>in Rupees |
| Per participant Rs. 2000/- x 29   | Honorarium to Experts (12 x 2000)   | 22000/-             |
|   | Working lunch and tea to participants, experts<br>and organizing team members | 23984/-             |
|   | Contingency (Folder notepad and other<br>stationaries)                        | 3580/-              |
|   | Certificate Printing charge to be paid to ISTE<br>(118 x 26)                  | 3068/-              |
|   | Approval fees paid to ISTE  | 1180/-              |
|   | Refund paid to 2 participants who could not<br>attend STTP                    | 4000/-              |
|   | Miscellaneous   | 200/-               |
| Rs. 58000/-   | Total expenditure   | 58012/-             |

  
Coordinator  
STTP

  
Head  
Electrical Engg. Dept.

  
Principal  
Dr. S. & S. S. Ghandhy  
College of Engg. & Tech., Surat



DR. S. & S. S. GHANDHY COLLEGE OF ENGG. & TECH, SURAT

ELECTRICAL ENGINEERING DEPARTMENT

APPLICATIONS OF POWER ELECTRONICS IN POWER SYSTEMS

ATTENDANCE SHEET

DAY: 05

DATE: 23-06-2023

| SR. NO. | NAME                                  | DESIGNATION       | MORNING SESSION  | EVENING SESSION  |
|---------|---------------------------------------|-------------------|------------------|------------------|
| 1       | Mr. JAGDISH KARSANBHAI RATHOD         | HOD ELECTRICAL    | —                | —                |
| 2       | Mr. ROHITKUMAR BABUBHAI DAMOR         | ASSIST. PROFESSOR | <i>Rohit</i>     | <i>Rohit</i>     |
| 3       | Mr. ANKURKUMAR PRAMODBHAI DESAI       | ASSIST. PROFESSOR | <i>Desai. AP</i> | <i>Desai. AP</i> |
| 4       | Mr. RAJESHKUMAR AMBALAL PATEL         | LECTURER          | <i>Rajesh</i>    | <i>Rajesh</i>    |
| 5       | Ms. CHAND DEVENDRASINH THAKOR         | ASSIST. PROFESSOR | <i>Chand</i>     | <i>Chand</i>     |
| 6       | Mr. YAGNESHKUMAR DINESHBHAI PATEL     | LECTURER          | —                | —                |
| 7       | Mr. RAVISINGH JAYWANTSINGH            | LECTURER          | <i>Ravis</i>     | <i>Ravis</i>     |
| 8       | Ms. SNEHA ROHAN MANIK                 | LECTURER          | <i>Sneha</i>     | <i>Sneha</i>     |
| 9       | Mr. DIVYANG PRAVINBHAI PATEL          | ASSIST. PROFESSOR | <i>Divy</i>      | <i>Divy</i>      |
| 10      | Ms. RINKI R SHUKLA                    | HOD ELECTRICAL    | <i>Rinki</i>     | <i>Rinki</i>     |
| 11      | Ms. NAMRATA MANUBHAI PATEL            | LECTURER          | <i>Namr</i>      | <i>Namr</i>      |
| 12      | Mr. NIRAVKUMAR JASHVANTBHAI PATEL     | LECTURER          | <i>Nirav</i>     | <i>Nirav</i>     |
| 13      | Mr. CHIRAGKUMAR KANTIBHAI TAILOR      | LECTURER          | <i>Chirag</i>    | <i>Chirag</i>    |
| 14      | Mr. AMITKUMAR JIVANBHAI PATEL         | LECTURER          | <i>Amit</i>      | <i>Amit</i>      |
| 15      | Ms. KINNA NAVNITLAL PATEL             | LECTURER          | <i>Kinna</i>     | <i>Kinna</i>     |
| 16      | Mr. ALPESHBHAI RAMESHBHAI MAHYAVANSHI | LECTURER          | <i>Alpe</i>      | <i>Alpe</i>      |
| 17      | Mr. SUKHDEV UDHAVDAS DALWANI          | LECTURER          | <i>Sukh</i>      | <i>Sukh</i>      |
| 18      | Ms. PARULA DENISH VACHHANI            | LECTURER          | <i>Paru</i>      | <i>Paru</i>      |
| 19      | Ms. PATEL TEJAL HEMANSHU              | LECTURER          | <i>Tejal</i>     | <i>Tejal</i>     |
| 20      | Mr. CHETAN DIPAKBHAI CHAUDHARI        | LECTURER          | <i>Chetan</i>    | <i>Chetan</i>    |
| 21      | Ms. PATEL UPASANA MAHESHBHAI          | LECTURER          | <i>Upas</i>      | <i>Upas</i>      |
| 22      | Ms. KAMINIBEN HASMUKHBHAI PATEL       | LECTURER          | <i>Kamin</i>     | <i>Kamin</i>     |
| 23      | Mr. DHARMILKUMAR VIPULBHAI SHAH       | LECTURER          | <i>Dharm</i>     | <i>Dharm</i>     |
| 24      | Mr. RAJESHKUMAR RANCHHODBHAI KORIYA   | LECTURER          | <i>Rajesh</i>    | <i>Rajesh</i>    |
| 25      | Mr. KEYUR KALPESHKUMAR MEHTA          | LECTURER          | <i>Keyur</i>     | <i>Keyur</i>     |
| 26      | Mr. JIGNESH NAVINCHANDRA PANDYA       | LECTURER          | —                | —                |
| 27      | Mr. HARSHAL BABULAL SHARMA            | LECTURER          | <i>Harsh</i>     | <i>Harsh</i>     |
| 28      | Mr. BHAVESH CHANDULAL VAGHASIYA       | LECTURER          | <i>Bhaves</i>    | <i>Bhaves</i>    |
| 29      | Ms. HIRAL MAYANK SHAH                 | LECTURER          | <i>Hiral</i>     | <i>Hiral</i>     |

*C. Shukla*  
23/6/2023  
CO-ORDINATOR

*[Signature]*  
HEAD  
Head of Electrical  
Engineering Department  
Dr. S. & S.S. Ghandhy College  
of Engineering & Technology  
Majura Gate, Surat.

*[Signature]*  
Principal  
Dr. S. and S. S. Ghandhy  
College of Engineering and Technology,  
Majura Gate, Surat.



## Indian Society for Technical Education

Shaheed Jeet Singh Marg New Delhi – 110 016

# CERTIFICATE

This is to certify that Mr/Ms. **RINKU R. SHUKLA** has successfully completed ISTE approved SF-STTP/FDP Programme on “Applications of Power Electronics in Power System” held during **19.06.2023** to **23.06.2023** organized by **Dr. S. & S. S. Ghandhy College of Engineering & Technology, Surat, Gujarat.**

P-2023/7431

Executive Secretary



## ISTE & CTE APPROVED TRAINING PROGRAMME FEEDBACK

DATE  
23/06/2023

Programme Title: Applications of Power Electronics in Power Systems

Duration from: 19/06/2023 to 23/06/2023

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

Organising Department: Electrical Engineering Department

Directions to fill up feedback form:

1. Please tick mark the appropriate column
2. Please give comments / suggestions for improvement

| Sr. No. | Item                                     | Excellent | V. Good | Good | Satisfactory | Poor |
|---------|--|-----------|---------|------|--------------|------|
| 1       | Relevance of programme contents          | ✓         |         |      |              |      |
| 2       | Usefulness of programme                  | ✓         |         |      |              |      |
| 3       | Knowledge of Resource Persons            | ✓         |         |      |              |      |
| 4       | Overall presentation of resource persons | ✓         |         |      |              |      |
| 5       | Usefulness of Field Visit                | ✓         |         |      |              |      |
| 6       | Facilities at Field Visit                | ✓         |         |      |              |      |
| 7       | Seminar room/ Auditorium facilities      | ✓         |         |      |              |      |
| 8       | Catering & Hospitality                   |           | ✓       |      |              |      |
| 9       | Academic rating of programme             | ✓         |         |      |              |      |
| 10      | Overall coordination of programme        | ✓         |         |      |              |      |

Comments for improvement:

Suggestions for topics on which training programme can be arranged in future:

Optimization techniques used in Power system

Name a few things you really liked about the programme:

Field visit to Torrent power Substation

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



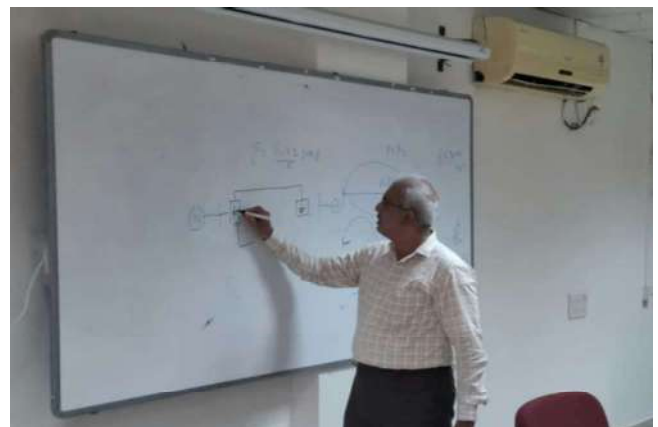
APFC Panel being explained by Engineer of Torrent Power



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, Gandhi College) delivering Video Message to participants during valedictory function on 23/06/2023