

## ISTE-GTU SPONSORED ONEWEEK FACULTY DEVELOPMENT PROGRAM ON

“RECENT TRENDS IN POWER SYSTEM OPERATION AND CONTROL”

**NOVEMBER 25-30, 2019**



ORGANIZED BY

**ELECTRICAL ENGINEERING DEPARTMENT**

**VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE**

**VISAT-GANDHINAGAR HIGHWAY, CHANDKHEDA,**

**AHMEDABAD**

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# 1.FDP BROCHURE

## About Institute

Vishwakarma Government Engineering College, Chandkheda is one of the high ranking technical institutes in Gujarat and was established in August 1994, with an objective of imparting higher education in various fields of engineering and technology. This institute is recognized by All India Council of Technical Education (AICTE), New Delhi. The college is administered by Directorate of Technical Education, Gujarat state, Gandhinagar and is affiliated with Gujarat Technological University (GTU).

VGEC puts continuous efforts to create an ecosystem for proliferation of socially responsible & technically sound engineers by motivating students to take part in various activities like SSIP, various technical workshops/seminars/webinars, technical festivals, TEDx, various student chapters like IEE, IEEE, Center of Excellence in association with Bosch-Rexroth India limited, NSS, NCC and many more.

Recently VGEC received "PRASHANSA" award for outstanding performance in student innovation and startup by Government of Gujarat. Institute also received an award for best SSIP implementation, best SSIP coordinator, best mentor and two awards at Gujarat Industrial Hackathon.

## About Department

The Electrical Engineering Department started in 1994 and offers Bachelor of Engineering in Electrical Engineering. The Program has intake of 150 students and is designed and updated keeping in view the constantly changing industrial needs, skills and challenges emerging out of new research.

The Department is very well equipped with laboratory facilities and constantly upgrading available hardware and software to create research / testing environment leading to a great opportunity to learn and progress in different technical domains. The department has well qualified faculties playing major roles in creation of competent & disciplined engineers to serve the nation. The department also works for the overall development of the students by regularly organizing workshops, expert lectures, industrial visits, open house to review the projects and other technical activities.

## About Gujarat Technological University

Gujarat Technological University is a premier academic institution established by the Government of Gujarat in 2007. GTU is a State University with more than 400 affiliated colleges across the state of Gujarat. The university caters to the fields of Engineering, Architecture, Management, Pharmacy and Computer Science with Diploma, Under Graduate, Post Graduate programs.

## About ISTE

The Indian Society for Technical Education (ISTE) is the leading national professional non-profit making society for technical education system in our country with the motto of course development of teachers and personality development of students and overall development of technical education system. Being the only national organization of educators in the field of Engineering and Technology, ISTE effectively contributes in various missions of the Union Government. At present, the ISTE has a very large and an effective membership.

## Objectives

The FDP is designed for improving knowledge in major areas of operation and control of electrical power system and different techniques used in controlling and analyzing in recent era of Electrical Power System. The program also focuses on overview of recent trends in techniques for voltage stability, optimization and control of power system, so as to achieve the best overall system control performance, system economics, optimal generation allocation, system stability and required reliability.

## Course Content

- Restructured power system.
- Recent advancement in voltage stability assessment method.
- Application of RBE Neural network for power system analysis.
- Finite element method.
- Microgrid operation and control.
- State estimation.
- Power system stability.
- Grid connected wind energy conversion system.
- Futuristic electric power system



ISTE-GTU-FDP



GTU Sponsored and ISTE Approved

**One week Faculty Development Program**  
on  
**Recent Trends in Power System Operation and Control**

November 25 - 30, 2019



**Organized by**  
Electrical Engineering Department  
Vishwakarma Government Engineering College

Visat-Koba Highway, Chandkheda.  
Ahmedabad- 382 424, Gujarat, India.  
Phone: (079) 23293866;  
Website: [www.vgecg.ac.in](http://www.vgecg.ac.in)



**Under the aegis of**  
DTE, Gandhinagar

## Technical Experts

Course faculty consists of eminent experts from premier institutes like IITs and other national level technical institute and also in house faculty members of electrical engineering department. The speakers are invited to share their views in the field of power system operation and control and their experience with the participants.

## Organising Committee

### Patron

Prof. (Dr.) R K Gajjar  
Principal-VGEC, Chandkheda

### Advisory Committee

Dr. Navin Sheth (Vice Chancellor, GTU)  
Dr. K N Kher (Registrar, GTU)  
Prof. K M Bhavsar (Chairman - ISTE Guj. Section)  
Dr. Nikul Patel (Hon. Sec. cum. Treasurer - ISTE Guj. Section)

### Coordinator

Prof. R R Kapadia  
Head-Electrical Engg. Department

### Co-coordinators

Prof. (Dr.) D.P. Maheshwari (Asso. Prof.)  
Prof. Y B Bhavsar (Asso. Prof.)  
Prof. H N Zala (Asso. Prof.)

### Team Members

Prof. N P Shah (Asso. Prof.)  
Prof. D R Dobariya (Asst. Prof.)  
Prof. M L Patel (Asst. Prof.)

Department of Electrical Engineering  
Vishwakarma Government Engineering College  
Visat-Koba Highway,  
Chandkheda,  
Ahmedabad - 382 424, Gujarat.

## Eligibility for STTP

Faculty from Engineering Colleges/Polytechnics, PG and Ph.D Research Scholars and Persons from Industry/R&D Organizations/Consultants

## How to Apply

Interested candidates are requested to fill-up the attached application form and return it to the Co-ordinator on or before 19/11/2019. Participants must have to apply online.

## For Online Registration

<https://foms.gle/tGE9Mojfii59Q5p49>



## Course Fees

Course fees of Rs. 750/- (non-refundable) are to be paid by all participants on below link.  
<http://www.onlinesbi.com/sbicollect/collecthome.htm>

Step 1: Type of Corporate : Education Institutions  
Step 2: Vishwakarma Government Engg. College  
Step 3: Workshop-Conference-Seminar-FDP-STTP fees.

Course fee includes tea, breakfast, working lunch and course material. Participants are required to make their own arrangements for lodging, boarding and travelling.

## Contact Details

Tel : (M) 9106187992 (Prof. R R Kapadia)  
(M) 9825797155 (Prof. D P Maheshwari)  
(M) 9173477049 (Prof. Y B Bhavsar)  
(M) 9824633779 (Prof. H N Zala)  
Email: [rtpsoc.vgecg@gmail.com](mailto:rtpsoc.vgecg@gmail.com)

## Important Dates

Last date for receipt of application	19/11/2019
Confirmation of selection by email	20/11/2019

## APPLICATION FORM

GTU Sponsored and ISTE Approved  
Faculty Development Program on  
**Recent Trends in Power System Operation and Control**  
November 25 - 30, 2019

at  
Electrical Engineering Department,  
Chandkheda  
Vishwakarma Government Engineering College  
(Please file up the details in Block Letters)

1. Name: .....
2. Designation: .....
3. Qualification: .....
4. D.O.B: .....Gender:  Male  Female
5. Institution/Industry: .....
6. Mailing Address: .....
- Phone: ..... Fax: .....  
E-mail: .....
7. ISTE Membership:  Life time  Yearly  
Membership No.: .....
8. Experience:  
Teaching: ..... Years ..... Months  
Industrial: ..... Years ..... Months
9. Payment (DU) Ref. No. and Date: .....

Place :  
Date : Signature of Applicant

## Sign and Seal of Sponsoring Authority

NOTE : Faculties from Government/GIA Institute are requested to apply through TNA portal only.

## 2 OBJECTIVE OF FACULTY DEVELOPMENT PROGRAM (FDP)

The FDP on “Recent Trends in Power System Operation and Control” is organized with a view to acquaint the faculty and research scholars with major areas of operation and control of electrical power system and different techniques used in controlling and analyzing in recent era of Electrical Power System. The program also focuses on overview of recent trends in techniques for voltage stability, optimization and control of power system, so as to achieve the best overall system control performance, system economics, optimal generation allocation, system stability and required reliability.

### 2.1 INAUGURAL CEREMONY

The FDP Inauguration event was started on **25<sup>th</sup> November, 2019 at 10 am** with Saraswati Vandana. Opening remarks were given by **Prof. Roopal Kapadia**, Head of Electrical Engineering Department and Coordinator of the FDP. Dr.S.K.Joshi was the guest of honour and he shared his views on FDP. Heads of Various departments, faculty members of VGEC and **40 participants** from various institutes across the Gujarat were present. Dr. D.P.Maheshwari, Co-coordinator of FDP proposed a vote of thanks at the end of inauguration ceremony.





### 3. Schedule of FDP

#### Vishwakarma Government Engineering College, Chandkheda

##### Schedule of FDP on RTPSOC-19



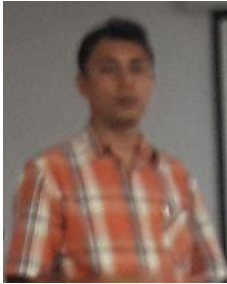


Duration	25-11-19	26-11-19	27-11-19	28-11-19	29-11-19	30-11-19
	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
9.00 to 9.30	Registration					
9.30 to 10.30	Inauguration					
10:30 to 12:00	<b>Prof.Dr.S.K.Joshi</b> (Power System Security)	<b>Prof.Dr.S.R.Joshi</b> (State Estimation)	<b>Prof.Dr.B.N.Suthar</b> (Research Methodology)	<b>Prof.Dr.PriyeshChauhan</b> (Microgrid Operation & Control)	<b>Prof.Dr.Santosh Vora</b> (Operation & Control of Renewable Penetration)	<b>Expert from Industry</b> (Recent Trends in Handling Switching Transients using POW Techniques)
12:00 to 12:15	<b>Tea Break</b>					
12:15 to 1.15	<b>Prof.Dr.S.K.Joshi</b> (Power System Security)	<b>Prof.Dr.S.R.Joshi</b> (State Estimation)	<b>Prof.Dr.B.N.Suthar</b> (Recent Advances in Artificial Neural Networks)	<b>Prof.Dr.I.N.Trivedi</b> (Recent and Future Trends in Power System)	<b>Prof.Dr.Santosh Vora</b> (Operation & Control of Renewable Penetration)	<b>Expert from Industry</b> (Recent Trends in Handling Switching Transients using POW Techniques)
1.15 to 2.00	<b>Lunch Break</b>					
2.00 to 3.30	<b>Prof.Dr.J.G.Jamnani</b> (Voltage Control and Reactive Power Management in Power System)	<b>Prof.Dr.NaranPindoriya</b> (Distributed Energy Resources and Energy Management)	<b>Prof.Dr.Vivek Pandya</b> (Alternators on Grid: Four quadrant Operation, Protection & Stability)	<b>Prof.Dr.M.C.Chudasama</b> (Applications of TCSC for Power System Operation and Control)	<b>Prof.Dr.K.P.Badgujar</b> (Diagnostic Techniques of Induction Motor)	<b>Prof.R.R.Kapadia</b> (ROW Related Design Consideration in EHV & UHV AC Transmission Lines)
3.30 to 3.45	<b>Tea Break</b>					
3.45 to 5.15	<b>Prof.Dr.Raghavan</b> (Grid Connected Wind Energy Conversion System)	<b>Prof.Dr.NaranPindoriya</b> (Distributed Energy Resources and Energy Management)	<b>Prof.Dr.Vivek Pandya</b> (Alternators on Grid: Four Quadrant Operation, Protection & Stability)	<b>Mr. DilipTanna</b> <i>Art of Living Session</i> (Sharing 3 SRB, ATR, and Refining Exercise for Total Health)	<b>Prof.Dr.K.P.Badgujar</b> (Myths about Earthing)	<b>Prof.R.R.Kapadia</b> (ROW Related Design Consideration in EHV & UHV AC Transmission Lines) <b>Test &amp; Feedback</b> Valedictory

#### 4. Contribution of resource persons in FDP:





<b>Sr No.</b>	<b>Name of Resource Person</b>	<b>No. of Sessions taken</b>	<b>Whether from External/Internal</b>
1	Prof.Dr.S.K.Joshi	Session- I & II	External
2	Prof. Dr. J.G.Jamnani	Session-III	External
3	Prof.Dr.Raghavan	Session-IV	External
4	Prof.Dr.S.R.Joshi	Session- I & II	External
5	Prof.Dr.Naran Pindoriya	Session-III &IV	External
6	Prof.Dr.B.N.Suthar	Session- I & II	External
7	Prof.Dr.Vivek Pandya	Session-III &IV	External
8	Prof.Dr.Priyesh Chauhan	Session- I	External
9	Prof.Dr.I.N.Tivedi	Session- II	Internal
10	Prof.Dr.M.C.Chudasama	Session- III	External
11	Mr.Dilip Tanna	Session- IV	External
12	Prof.Dr.Santosh Vora	Session- I & II	External
13	Prof.Dr.K.P.Badgujar	Session- III&IV	External
14	Prof.R.R.Kapadia	Session- III&IV	Internal

## 5. About Resource persons(Experts)

<p><a href="#"><u>Prof.Dr.S.K.Joshi</u></a></p> <p>Prof.Dr.S.K.Joshi Professor from Jan,18 ,2001 till date, Reader from Jan 18 1993 to Jan. 17 2001, Lecturer from July 4, 1983 to Jan. 17, 1993. Teaching Experience: Associate professor from Dec 14, 2003 to July 29, 2005 at Department of Electrical &amp; computer Engineering, Addis Ababa University, Addis Ababa, Ethiopia. (on lien from The M. S. University of Baroda) Administrative</p> <p>His Area_of_interest is in Optimal power dispatch and Energy Management ,Security analysis and control Voltage stability studies &amp; Power system dynamics Expert system and Neural network applications to power systems Power system protection against under voltage Deregulation</p>	
<p><a href="#"><u>Prof. Dr. G.J.Jamnani</u></a></p> <p>Dr. Jitendra Jamnani has been working as Associate Professor with the Department of Electrical Engineering, School of Technology, PDPU, Gandhi agar since October-2013.He has over 24 years of teaching experience at both undergraduate and postgraduate levels, which includes 15 years in the Department of Electrical Engineering at Institute of Technology, Nirma University, Ahmadabad. He has also 2 years Industrial Experience. He has worked as production and Testing Engineer at Birla Insulators.</p>	
<p><a href="#"><u>Prof.Dr.Naran Pindoriya</u></a></p> <p>Prof. Naran M. Pindoriya is Associate Professor in Electrical Engineering at Indian Institute of Technology Gandhinagar, India. Before he joined IIT Gandhinagar, he was a research fellow in the Department of Electrical and Computer Engineering at National University of Singapore, Singapore in 2010. He received PhD in Electrical Engineering from Indian Institute of Technology Kanpur, India in 2009. His focused research interests include smart distribution grid/microgrids and grid integration of renewable energy and energy management.</p>	
<p><a href="#"><u>Prof.Dr. Ragavan K</u></a></p> <p>Prof. Dr Ragavan K is Associate Professor in Electrical Engineering at Indian Institute of Technology Gandhi agar, India. He received PhD in Electrical Engineering from Indian .: Indian Institute of Science Bangalore, 2006. His focused research interests include Drives for Electric Vehicles, Diagnostic Testing and Condition Monitoring of Transformers ,Active Power Filter 'distribution grid/microgrids and grid integration of renewable energy and energy management.</p>	

<p><a href="#"><u>Prof.Dr. B.N.Suthar</u></a></p> <p>Prof.Dr.B.N.Suthar completed his PhD in 2008 at IIT Delhi. He has been working as hod in EED AT GEC Bhuj. He has published 15 international and national journal papers and 35 international and national conference papers. He has 4 research scholars working under him and guided 18 M.E. students and 7 PhD .his area of interest is power system analysis and application of AI to power systems.</p>	
<p><a href="#"><u>Prof.Dr.Vivek Pandya</u></a></p> <p>Dr. Vivek Jayantkumar Pandya received his Ph.D. in Power System Protection (Electrical Engineering) from Maharaja Sayajirao University, Baroda, India. He is currently working as Professor of Electrical Engineering in Electrical Engineering Department at Pandit Deendayal Petroleum University. His research focuses on Power System Protection, Power System Design Switchgear Engineering Power System Analysis Power System Dynamics and Stability Power System Operation and Control Electrical Machines, Design of Electrical Machines Commissioning of Large Electrical Equipments Research Interest: Protective Relaying .Wide Area Protections &amp; Control Condition Monitoring Techniques for Large Electrical Machines Smart Grid Technologies</p>	
<p><a href="#"><u>Prof.Dr.Priyesh Chauhan</u></a></p> <p>Dr. Priyesh Chauhan received the B.E. and M.E. degrees in Electrical Engineering from Gujarat University, in 1999 and 2003, and Ph.D. degree in Electrical Engineering from Indian Institute of Technology Delhi, in 2014. His 17 years of employment journey includes academic experience at various institutes including Nirma University Ahmedabad, Government Engineering College Bhuj, and Marwadi University Rajkot; and postdoctoral research at National University of Singapore, where he worked on Marine Vessels Power System in industry collaboration with Rolls-Royce Singapore Pvt. Ltd. and on Grid Integration of Energy Storage in industry collaboration with Gen-Plus Pvt. Ltd. Singapore.</p>	
<p><a href="#"><u>Prof.Dr.I.N.Tivedi</u></a></p> <p>Prof.Dr. I.N.Tivedi completed his PhD in 2010 at Yokohama national University. Tital of his topic is A new methodology for improvement of voltage profile in power having large insertion of distributed generation system for future electric system .He has been working as hod in power electronics engineering AT vgecchandkheda.His research interest in recent trends in power system and optimization.</p>	
<p><a href="#"><u>Prof.Dr.M.C.Chudasama</u></a></p> <p>Presently working as Professor and Head, Electrical Engineering Department, L D College of Engineering, Ahmadabad. PhD from IIT Bombay. His area of interest is in Power system analysis dynamics and control. Areas of Interest Power system modeling and analysis, Power system dynamics and control, Application of dynamic phasor models for the power system analysis, HVDC and FACTS. He has been guiding postgraduate student on matlabprogramming..</p>	



<p><a href="#">Mr.Dilip Tanna</a></p> <p>Mr. Dilip. Tanna working as Ex. Businessman in electrical items spiritual in swadhyayparivar Gurdjieff school. Healing modalities like reiki, RedikallHealing. Doing and teaching 3srb since last 20 years. His hobby includes singing and listening old Hindi film songs.</p>	
<p><a href="#">Prof.Dr.Santosh Vora</a></p> <p>Dr. S C Vora is working as Professor and Head at the Department of Electrical Engineering, Institute of Technology, Nirma University. Dr. Vora graduated in Electrical Engineering from Saurashtra University, Gujarat. He received his ME degree and PhD degree in Electrical Engineering (High Voltage Engineering) from the Indian Institute of Science (IISc), Bangalore in 2004 and 2009 respectively. At present, he is also serving as Dy. Director at Directorate of Research and Innovations, Nirma University and as PG coordinator of MTech programme in Electrical Engineering (viz. Electrical Power Systems).</p>	
<p><a href="#">Prof.Dr.K.P.Badgujar</a></p> <p>Dr. Ketan Badgujar Professor, Head, EED, SSEC, Bhavnagar. He did his Ph.D.in July 2009-oct 2013 IITB. He is doing research on diagnostic techniques of power transformer. He has 20 years experiences. He has post graduated from IISC Bangalore with gold medal.</p>	
<p><a href="#">Prof.R.R.Kapadia, Coordinator</a></p> <p>Prof.R.R.Kapadia, coordinator of this FDP (RECENT TRENDS IN POWER SYSTEM OPERATION AND CONTROL). Prof.R.R.Kapadia, Associate Professor and HOD of Electrical Engineering, VGEC, Chandkheda. She has 25 years of teaching experiences. Her area of interest are electrical power system, machine, micro controller, circuits and network.</p>	

## 6. Details of participants:

SR. NO.	NAME OF PARTICIPANT	INSTITUTE
1	RAJENDRA KASHIRAM PATEL	GEC,BHUJ
2	ASHISH DHIRUBHAI JOSHI	GEC,DAHOD
3	ASHOKKUMAR LAKHABHAI VAGHAMSHI	GEC,GHANDHINAGAR
4	ALPESHKUMAR MANGALDAS PATEL	GEC,PALANPUR
5	ANILKUMAR NARSINHBHAI PATEL	GEC,PATAN
6	MAYURDHVAJSINH GUNVANTSINH PARMAR	GP,GODHARA
7	MAYURDHVAJSINH GUNVANTSINH PARMAR	GP,JUNAGADH
8	VANDANA PRAKASH TAREJA	GP,KHEDA
9	ASHVINBHAI MOHANBHAI PATEL	GP,PALANPUR
10	MAHESHKUMAR JADAVBHAI AGHARA	GP,PORBANDAR
11	KEYURKUMAR AMRUTLAL PRAJAPATI	KDP,PATAN
12	KALPESH BANSIDHAR KELA	LDCE,AHMEDABAD
13	ZENIFAR BHADRESH PAREKH	LDEC,AHMEDABAD
14	AJIT ARAVINDKUMAR RATHOD	SSEC,BHAVANAGAR
15	ANITA YOGESH SOLANKI	VGEC,CHANDKHEDA
16	SITA SHARADKUMAR AGRAWAL	VGEC,CHANDKHEDA
17	AVANI TEJAS MISTRY	VGEC,CHANDKHEDA
18	RINAL KEYURKUMAR AHIR	VGEC,CHANDKHEDA
19	DHARMISTHA VIJAYKUMAR MAKWANA	VGEC,CHANDKHEDA
20	GRISHMA SHAILESHKUMAR SHAH	VGEC,CHANDKHEDA
21	MANOJ DIPSINGBHAI KHEDIYA	VGEC,CHANDKHEDA
22	MAMTA VISHNUBHAI PATEL	VGEC,CHANDKHEDA
23	NIRAV DIPAKKUMAR MEHTA	VGEC,CHANDKHEDA
24	ASHISH PARSOTTAM PATEL	VGEC,CHANDKHEDA
25	PARTHIV SHAH	ASOIT,AHMEDABAD
26	SACHIN DOSHI	ASOIT,AHMEDABAD
27	DWIPAL KADIA	SOCET,AHMEDABAD
28	KAUSTUBH A VYAS	VGEC,CHANDKHEDA
29	MALVI SNEHALKUMAR VADILAL	SALITER,AHMEDABAD
30	MINAXI L. PATEL	VGEC,CHANDKHEDA
31	DR J N TRIVEDI	VGEC,CHANDKHEDA
32	ANWARUL M HAQUE	VGEC,CHANDKHEDA
33	JIGNASHA A. PRAJAPATI	VGEC,CHANDKHEDA
34	BHUPENDRA K. PATEL	VGEC,CHANDKHEDA
35	DIXIT P. PATHAK	VGEC,CHANDKHEDA
36	TRUSHNA P. SHAH	VGEC,CHANDKHEDA
37	HITENDRA B. VAGHELA	VGEC,CHANDKHEDA
38	PULIN J. PUROHIT	VGEC CHANDKHEDA
39	ROZINA R. SURANI	VGEC CHANDKHEDA
40	VAIBHAI M. PARMAR	VGEC CHANDKHEDA

## 7) Fee receipt for participants



**Government of Gujarat**  
**VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE**  
**CHANDKHEDA AHMEDABAD**

(Affiliated to Gujarat Technological University)  
 Opp. Sangath Mall, Visat-Gandhinagar Road, Chandkheda, Ahmedabad - 382424.  
 www.vgecg.ac.in Email:-principal@vgecg.ac.in, sts@vgecg.ac.in  
 ☎ (079) 23293866, 29099903



VGEC/ELECT/FDP-RTPSOC/2019/

DATE: 30-11-2019

### Registration Fees Receipt

Following participants have paid registration fees of Rs. 750/- (Seven hundred fifty only) to attend FDP on on "Recent Trends in Power System Operation and Control" at Electrical Engineering Department, Vishwakarma Government Engineering College, Chandkheda- Ahmedabad from 25/11/2019 to 30/11/2019. The total Rs. 30000/- received in cash for all participants.

Sr. No	Name of participants	Institute
1	RAJENDRA KASHIRAM PATEL	GOVERNMENT ENGINEERING COLLEGE, BHUJ
2	ASHISH DHIRUBHAI JOSHI	GOVERNMENT ENGINEERING COLLEGE, DAHOD
3	ASHOKKUMAR LAKHABHAI VAGHAMSHI	GOVERNMENT ENGINEERING COLLEGE, GANDHINAGAR
4	ALPESHKUMAR MANGALDAS PATEL	GOVERNMENT ENGINEERING COLLEGE, PALANPUR
5	ANILKUMAR NARSINHBHAI PATEL	GOVERNMENT ENGINEERING COLLEGE, PATAN
6	MAYURDHVAJSINH GUNVANTSINH PARMAR	GOVERNMENT POLYTECHNIC, GODHRA
7	JAYESHKUMAR SHANTILAL DOSHI	GOVERNMENT POLYTECHNIC, JUNAGADH
8	VANDANA PRAKASHI TARFEJA	GOVERNMENT POLYTECHNIC KHEDA, RASKA
9	ASHVINBHAI MOHANBHAI PATEL	GOVERNMENT POLYTECHNIC, PALANPUR
10	MAHESHKUMAR JADAVBHAI AGHARA	GOVERNMENT POLYTECHNIC, PORBANDAR
11	KEYURKUMAR AMRUTLAL PRAJAPATI	K. D. POLYTECHNIC, PATAN
12	KALPESHI BANSIDHAR KELA	L. D. COLLEGE OF ENGINEERING, AHMEDABAD
13	ZINIFAR BHADRESH PAREKH	L. D. COLLEGE OF ENGINEERING, AHMEDABAD
14	AJIT ARAVINDKUMAR RATHOD	SSEC, BHAVNAGAR
15	ANITA YOGESHI SOLANKI	VGEC, CHANDKHEDA
16	SITA SHARADKUMAR AGRAWAL	VGEC, CHANDKHEDA
17	AVANI TEJAS MISTRY	VGEC, CHANDKHEDA
18	RINAL KEYURKUMAR AHIR	VGEC, CHANDKHEDA
19	DHARMISTHA VIJAYKUMAR MAKWANA	VGEC, CHANDKHEDA
20	GRISHMA SHAILESHKUMAR SHAH	VGEC, CHANDKHEDA
21	MANOJ DIPSINGBHAI KHEDIYA	VGEC, CHANDKHEDA
22	MAMTA VISHNUBHAI PATEL	VGEC, CHANDKHEDA
23	NIRAV DIPAKKUMAR MEHTA	VGEC, CHANDKHEDA
24	ASHISH PARSOTTAM PATEL	VGEC, CHANDKHEDA
25	PARTHIV SHAH	ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY, AHMEDABAD
26	SACHIN DOSHI	ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY, AHMEDABAD
27	DWIPAL KADIA	SILVER OAK COLLEGE OF ENGG. & TECH. GOTA, AHMEDABAD
28	KAUSTUBHA VYAS	VGEC, CHANDKHEDA
29	MALVI SNEHALKUMAR VADHIAL	SAL INSTITUTE OF TECH. & ENGG. RESEARCH
30	MINAXI PATEL	VGEC, CHANDKHEDA
31	DR. I. N. TRIVEDI	VGEC, CHANDKHEDA
32	ANWARUL M. HAQUE	VGEC, CHANDKHEDA
33	JIGNASHA A. PRAJAPATI	VGEC, CHANDKHEDA





Government of Gujarat  
**VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE  
CHANDKHEDA AHMEDABAD**

(Affiliated to Gujarat Technological University)

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34	BHUPENDRA K. PATEL	VGEC, CHANDKHEDA
35	DIXIT P. PATHAK	VGEC, CHANDKHEDA
36	TRUSHNA P. SHAH	VGEC, CHANDKHEDA
37	HITENDRA B. VAGHELA	VGEC, CHANDKHEDA
38	PULIN J. PUROHIT	VGEC, CHANDKHEDA
39	ROZINA R. SURANI	VGEC, CHANDKHEDA
40	VAIBHAVI M. PARMAR	VGEC, CHANDKHEDA

  
Coordinator

Prof. R.R. Kapadia

V.G.E.C. Chandkheda

**Head of Electrical Engg. Dept.  
Vishwa Karma Govt. Engg. College,  
Chandkheda, Ahmedabad.**

## 8) Feedback of participants (Samples):



VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE  
Electrical Engineering Department  
FDP on "Recent Trend in Power System Operation and Control"  
Approved by ISTE and Sponsored by GTU,  
Duration: 25 to 30 November, 2019



### FEEDBACK FORM

Please rate your response in the box provided between 1 to 3. Where 3 being the highest and 1 being the lowest.

1. How do you rate the theory sessions delivered by different experts?  3
2. How do you rate the demonstration sessions delivered by experts?  3
3. How do you rate the overall experience of the FDP?  3
4. What is the strength of the FDP?  3
5. Please provide three key aspects that you liked about the FDP.

1. Content of the FDP

2. Knowledge shared by experts

3. Hospitality & the arrangements done by department

6. How did this program help you in gaining the knowledge?

Since this FDP was focussed on power systems, it helped me to revive the knowledge that I gained during my post graduation studies. It will be further helpful in pursuing high studies.

7. How do you think this program will help you in your studies/work assignment and deliverables?

As we have subjects related to power systems, this will be very useful in delivering the content and also delivering fundamentals.

8. Please suggest areas we should improve upon for this FDP.

In my senses, everything was appropriate.

Please provide following details: (OPTIONAL)

Name: Vandana P. Talreja

Designation: Lecturer

Institute/Organization: Govt. Poly. Kheda

Highest Qualification: M.Tech (Electrical Power Systems)

Email ID: vandana.talreja.gp

Mobile No.: 9727969106

@kheda@gmail.com



VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE

Electrical Engineering Department

FDP on "Recent Trend in Power System Operation and Control"

Approved by ISTE and Sponsored by GTU,  
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**FEEDBACK FORM**

Please rate your response in the box provided between 1 to 3. Where 3 being the highest and 1 being the lowest.

1. How do you rate the theory sessions delivered by different experts?
2. How do you rate the demonstration sessions delivered by experts?
3. How do you rate the overall experience of the FDP?
4. What is the strength of the FDP?
5. Please provide three key aspects that you liked about the FDP.

3  
2  
3  
3

1. Perfect time Management
2. Very good Speakers
3. Latest topic, Excellent food.

6. How did this program help you in gaining the knowledge?

By this program, gain latest trends in Power System.

7. How do you think this program will help you in your studies/work assignment and deliverables?

For research work & higher studies

8. Please suggest areas we should improve upon for this FDP.

→ No Need →

Please provide following details: (OPTIONAL)

Name: M. G. PARMAR Designation: Lecturer  
 Institute/Organization: G. P. Godhas Highest Qualification: B.E. Electrical  
 Email ID: mayunsinh.parmar@gmail.com Mobile No.: 9662027847



## Feed back from participant

I (Dr. A. M. Haque), extend my gratitude to Patron, Coordinator, Co-Coordinator, All Team Member for organizing such a nice Faculty Development Program (FDP) on Recent Trends in Power System Operation and Control (RTPSOC) from 25<sup>th</sup> November to 30<sup>th</sup> November 2019 and providing me an opportunity to quench my thirst on Advances in Power System. On behalf of VGEC participants, I am thankful to Principal Dr. Bhuptani Sir and Program Coordinator Prof. Kapadia Madam for allowing us to attend this FDP along with Institutional, Departmental and Examination work. I appreciate all Expert speaker for their nice delivery on respective topics. All participants are Masters, Researchers and refreshed himself / herself through this FDP on "Recent Trends in Power System Operation and Control" from sky view to system elements to design concept to analysis & comparison to modelling to simulation. We have learned through this FDP from Gen.co, Trans.co, Dis.com to Mega Grid, mini-grid, macro-grid and nano-grid. Best session was Art of Living by Mr. Dilip Tanna and Sky-view of Power System by Dr. I. N. Trivedi which keeps on imagining / thinking to most of researchers for his / her choice of research area & topic. Coordination in Team Work was excellent, hospitality was good and food served was really delicious & hygiene. Once again I like to appreciate all FDP Team for organizing program in excellent manner, of course fabulous one.

Thank you.

DR. ANWARUL HAQUE M.

Assistant Professor

Power Electronics Department,

Vishwakarma Government Engineering College,

Chandkheda, Ahmedabad -382 424

Gujarat, India

(Mo): 99091 73750

Email: amhaque@vgecg.ac.in

## 9. Assessment about the Effectiveness and usefulness of FDP :

A test containing multiple choice questions of 20 marks was conducted for all the participants. Based on the evaluation, marks in percentage are as follows:

<b>SR. NO.</b>	<b>NAME</b>	<b>INSTITUTE</b>	<b>MARKS Out of 20</b>	<b>Marks in Percentage</b>
1	RAJENDRA KASHIRAM PATEL	GOVERNMENT ENGINEERING COLLEGE, BHUJ	13	65%
2	ASHISH DHIRUBHAI JOSHI	GOVERNMENT ENGINEERING COLLEGE, DAHOD	14	70%
3	ASHOKKUMAR LAKHABHAI VAGHAMSHI	GOVERNMENT ENGINEERING COLLEGE, GANDHINAGAR	14	70%
4	ALPESHKUMAR MANGALDAS PATEL	GOVERNMENT ENGINEERING COLLEGE, PALANPUR	14	70%
5	ANILKUMAR NARSINHBHAI PATEL	GOVERNMENT ENGINEERING COLLEGE, PATAN	14	70%
6	MAYURDHVAJSINH GUNVANTSINH PARMAR	GOVERNMENT POLYTECHNIC, GODHRA	13	65%
7	JAYESHKUMAR SHANTILAL DOSHI	GOVERNMENT POLYTECHNIC, JUNAGADH	14	70%
8	VANDANA PRAKASH TAREJA	GOVERNMENT POLYTECHNIC KHEDA, RASKA	12	60%
9	ASHVINBHAI MOHANBHAI PATEL	GOVERNMENT POLYTECHNIC, PALANPUR	15	75%
10	MAHESHKUMAR JADAVBHAI AGHARA	GOVERNMENT POLYTECHNIC, PORBANDAR	15	75%
11	KEYURKUMAR AMRUTLAL PRAJAPATI	K. D. POLYTECHNIC, PATAN	15	75%
12	KALPESH BANSIDHAR KELA	L. D. COLLEGE OF ENGINEERING, AHMEDABAD	14	70%
13	ZENIFAR BHADRESH PAREKH	L. D. COLLEGE OF ENGINEERING, AHMEDABAD	16	80%
14	AJIT ARAVINDKUMAR RATHOD	SSEC, BHAVNAGAR	15	75%
15	ANITA YOGESH SOLANKI	VGEC, CHANDKHEDA	16	80%
16	SITA SHARADKUMAR AGRAWAL	VGEC, CHANDKHEDA	15	75%
17	AVANI TEJAS MISTRY	VGEC, CHANDKHEDA	15	75%
18	RINAL KEYURKUMAR AHIR	VGEC, CHANDKHEDA	16	80%
19	DHARMISTHA VIJAYKUMAR MAKWANA	VGEC, CHANDKHEDA	14	70%
20	GRISHMA SHAILESHKUMAR SHAH	VGEC, CHANDKHEDA	15	75%
21	MANOJ DIPSINGBHAI KHEDIYA	VGEC, CHANDKHEDA	15	75%

22	MAMTA VISHNUBHAI PATEL	VGEC, CHANDKHEDA	15	75%
23	NIRAV DIPAKKUMAR MEHTA	VGEC, CHANDKHEDA	17	85%
24	ASHISH PARSOTTAM PATEL	VGEC, CHANDKHEDA	15	75%
25	PARTHIV SHAH	ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY, AHMEDABAD	13	65%
26	SACHIN DOSHI	ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY, AHMEDABAD	15	75%
27	DWIPAL KADIA	SILVER OAK COLLEGE OF ENGG. & TECH. GOTA, AHMEDABAD	14	70%
28	KAUSTUBH A VYAS	VGEC, CHANDKHEDA	17	85%
29	MALVI SNEHALKUMAR VADILAL	SAL INSTITUTE OF TECH. & ENGG. RESEARCH	14	70%
30	MINAXI L PATEL	VGEC, CHANDKHEDA	17	85%
31	DR. I. N. TRIVEDI	VGEC, CHANDKHEDA	17	85%
32	ANWARUL M. HAQUE	VGEC, CHANDKHEDA	14	85%
33	JIGNASHA A. PRAJAPATI	VGEC, CHANDKHEDA	15	75%
34	BHUPENDRA K. PATEL	VGEC, CHANDKHEDA	16	80%
35	DIXIT P. PATHAK	VGEC, CHANDKHEDA	15	75%
36	TRUSHNA P. SHAH	VGEC, CHANDKHEDA	16	80%
37	HITENDRA B. VAGHELA	VGEC, CHANDKHEDA	14	70%
38	PULIN J. PUROHIT	VGEC, CHANDKHEDA	14	70%
39	ROZINA R. SURANI	VGEC, CHANDKHEDA	15	75%
40	VAIBHAVI M. PARMAR	VGEC, CHANDKHEDA	14	70%

## 10. Some Glimpses of FDP:





Inaugural ceremony



Prayer during Inaugural ceremony



FDP Coordinator, Prof.R.R.Kapadia welcoming guest of honor



Vote of thanks

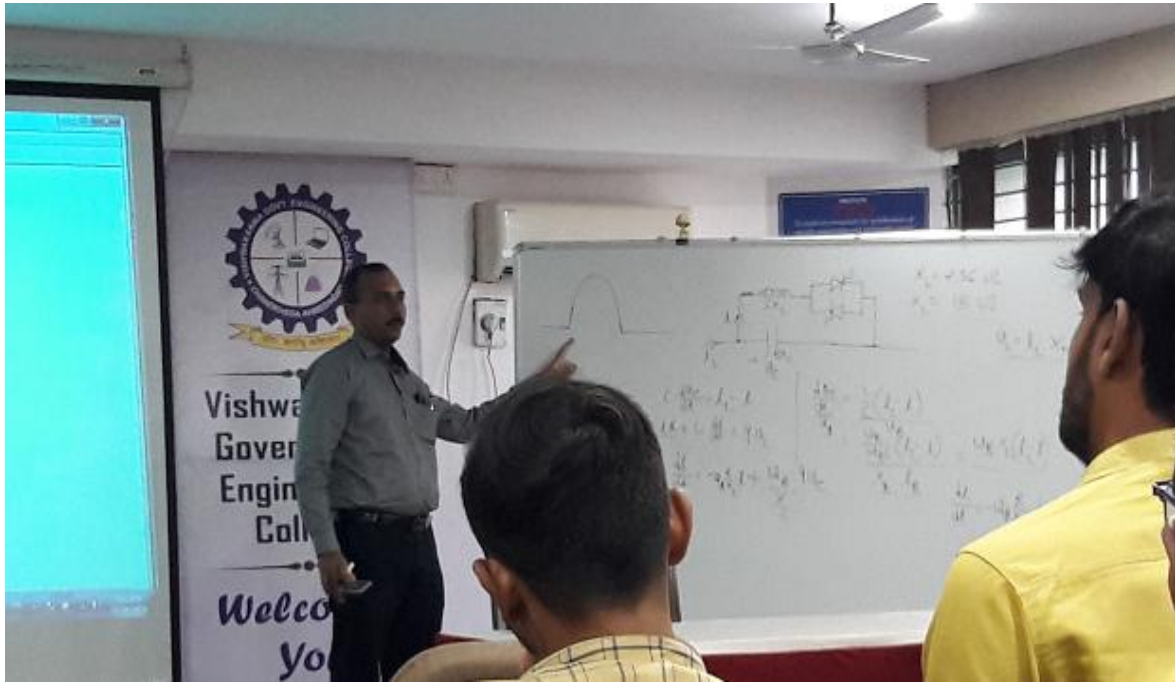




Dr.J.G.Jamnani discussed about voltage control and reactive power management in power system. He also explained about various methods and its importance of reactive power management.



Dr. B.N.Suthar delivered an expert talk on research methodology. He said that Engineering is about optimization, but engineering research is not! Research is to find the limits and better ways for optimization.



Dr.M.C.Chudasma discussed about applications of TCSC for power system operation and control. He also justified various connection techniques of TCSC by showing MATLAB simulation.



Dr. Santosh Vora discussed about operation and control of renewable penetration. He explained Generalized model for rotating AC machines .





Mr.Dilip Tanna conducted art of living session in which he showed different excises helpful for total health. He also explained importance of meditation in our stressful life.



Dr Priyesh chauhan delivered lecture on micro grid operation and control. He explained effect of different renewable energy sources connected to the Grid.



Dr K.P.Badgujar discussed about need of Conditions Monitoring of Rotating Electrical Machines. He explained importance of Earthing and cleared some myths about Earthing.



Dr. Vivek Pandya focused on four quadrant operation of alternator. He also discussed about protection and stability of power system.





Dr.Naran Pindoriya shared his view on distributed energy resources and energy management. He also shared his experience of handling different project based on renewable energy resources.



Visit by the chairman ISTE-Gujarat section & Executive council member

## 11. Valedictory

The FDP was concluded with the valedictory function in which the participants were issued participation certificates in presence of Prof. R.R.Kapadia, Coordinator of FDP, Dr.D.P.Maheshwari Co-coordinator of FDP and all faculty members of department.

Dr. K.M.Bhavsar gave brief summary of activities done by ISTE. He also mentioned about important role of ISTE in providing quality training programmers to teachers and administrators of technical institutions to update their knowledge and skills in their fields of activity. Session ended with vote of thanks to all contributors who had made this FDP successful.



**Prof. R.R.Kapadia**  
**VGEC, Chandkheda**  
**FDP (RTPSOC-19)**

**Principal**  
**VGEC, Chandkheda**



