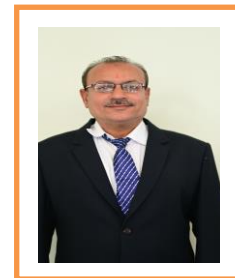


## Staff Profile



Personal Details:	
Name of the Staff	<b>Dr. Pawan C. Tapre</b>
Name of the Department	Department of Electrical Engineering
Designation	<b>Associate Professor &amp; HOD</b>
Area of Specialization	Electrical Engineering
Contact No	7987331104
Email Id	chandrakant.tapre@sndcoe.ac.in

Qualification:				
Exam Passed	School / College	University Board	CGPA %	Class
B.E.(Electrical Engineering)	AMARAVATI UNIVERSITY	AMARAVATI UNIVERSITY	80%	First Class with Distinction.
ME (Power System)	AMARAVATI UNIVERSITY	AMARAVATI UNIVERSITY	75%	First Class with Distinction
Ph.D. (Electrical)	CVRU, Bilaspur(C.G.)	CVRU, Bilaspur(C.G.)		

### 1. PRVIOUS EXPERIENCE :Total - 26.0 Years Teaching: 18Years

S.N.	Name of Institute	Post Held	From	To	Period
1	SNDCOE&RC, Yeola (MS)	Associate Professor & HOD	01/07/2016	Till Date	6 Yrs 3 Months
2	SCOE &T, Nashik (MS)	HOD	01/01/2016	30/06/2016	6 Months
3	SGD Poly Jalgaon (MS).	HOD	01/08/2015	30/12/2015	6 Months
4	SSTC, SSGI, Bhilai (C.G.)	Associate Professor	01/07/2009	30/07/2015	6 Yrs
5	MPCCE&T, Bhilai (C.G.)	Reader	01/07/2008	30/06/2009	1 Yrs
6	MPCCE&T, Bhilai (C.G.)	Assistant Professor & HOD	01/07/1999	30/06/2003	4 Yrs

**Industry: 7. 8 Years**

S.N.	Name of Organization	Post Held	From	To	Period
1	Maharashtra State Electricity Distribution Company (Govt. Organ.) at Gondia (M.S.)	Junior Engineer	01/07/ 2003	30/06/ 2008	5 Yrs
2	Maharashtra State Electricity Board (Govt. Orga.) at Paras, Dist.- Akola (M.S.), (India)	Apprentices in Thermal Power Plant	01/07/1997	30/06/1998	1 Yrs
3	Sanjay Gandhi Kapus Utpadak Soot Girni at Jalgaon Jamod, Dist.- Buldhana (M.S.)	Maintenance Engineer	01/07/1995	16/02/1997	1.8 Yrs

**ACADEMIC PROJECT:**

Academic	Title	Supervised/Guided By
Ph.D. (Electrical)	A Novel Method of Generation Rescheduling In Deregulated Power System	<ol style="list-style-type: none"> <li>Dr. Dharmendra Kumar Singh Associate Professor &amp; HOD Dept. of Electrical &amp; Electronics Dr. C. V. Raman University, Kota, Bilaspur (Chhattisgarh)</li> <li>Dr. Sudhir R. Paraskar Professor &amp; HOD Dept. of Electrical Engineering, Shri Sant Gajanan Maharaj College of Engineering, Shegaon (M.S.)</li> </ol>
M.E. (Power System) Electrical Engineering	Detection of Theft in LTMD meter by using telephonic network	Dr. V.N. Ghanokar Prof. & HOD Dept. of Electrical Engineerig Shri Sant Gajanan Maharaj College of Engineering, Shegaon (M.S.)

**APPROVAL:**

1	Recognition as a Post-Graduate Teacher	Ref. No. BUTR/Engineering/04/230 Dated : 05/04/2017	w.e.f. <b>25/02/2017</b>
2	UGC Approval for Assistant Professor	Ref. No. CEO1115 Dated : 12/05/2018	w.e.f. <b>26/12/2017</b>

	( Full Time)		
3	UGC Approval Associate Professor	Ref. No. CSVTU/Inter/2010/Part-1639 Dated : 31/12/2010	w.e.f. <b>01/07/2009</b>
4	Reader	Ref. No. CSVTU/Interview/2009/331 Dated : 18/02/2009	w.e.f. <b>18/02/2009</b>

**PG RESEARCH GUIDE: More than 40 Students**

**Ph.D. REGISTERED STUDENTS: One student** are presently working for PhD program.

S.N.	Title of Thesis	Name of Students	Name of University	Status/Year
1	Sugar Cogeneration an effective source of Renewable Energy	Samsher Kadir Sheikh	Mandsura University, (M.P.)	Date of RDC : <b>27/12/2021</b>

**FUND RECEIVED FROM SPPU:**

1. **1.00 Lack** Found Sanctioned for Conducting **National Level Conference** under **QIP Program** at SND COE & R.C., Electrical Engineering Dept. affiliated from SPPU Pune on **Dated 22/02/18 & 23/02/18. (Received 65000/-)**
2. **1.10 Lack** Found Sanctioned for Conducting **National Level Conference** under **QIP Program** at SND COE & R.C., Electrical Engineering Dept. affiliated from SPPU Pune on **Dated 10/01/19 & 11/01/19. (Received 65000/-)**
3. **1.15 Lack** Fund Sanctioned for Conducting **National Level Workshop** under **QIP Program** at SND COE & R.C., Electrical Engineering Dept. affiliated from SPPU Pune on **Dated 10/01/20 & 11/01/20. (Received 85000/-)**

**REVIEWER:**

1. Reviewer of Optimal Control Application And Control Journal
2. Reviewer of Advance in Science, Technology and Engineering Systems Journal (ASTES) **ISSN: 2415-6698**
3. Reviewer of Advance in Science, Technology and Engineering Systems Journal (ASTES) **ISSN: 2415-6698 article ID 21M-04-420** with title Analysis and Mitigation of the Impacts of the Decarbonization of Transport through Electrification in Rwanda's Electric Power System of Regular Issue date: **26 May 2021.**

**EDITER BOARD MEMBER: 2**

1. A.R. Research Publication & Conference World **Ref. No. CW/2017/1007.**
2. Resincap Journal of Science and Engineering **ISSN 2456-9976**

## INTERNATION COMMITTEE MEMBER:

- **International Scientific Committee Member** of 2022 2nd International Conference on Cloud Computer, IOT and Intelligence System (CCIIS2022) which will conduct on **6-7 March 2022 at Beijing, China.**

## 2. AWARD:

- **Received Chhatrapati Shivaji Maharaj National Pride Award-2022 for Ideal Professor on 01 Jan. 2022** by Jijau Bahuudeshisy Sevabhavi Sansthan at Nagamthan, Th. Vijapur, Dist. Aurangabad (Maharashtra)
- **Received Best Professor Award in Electrical Engineering** by 25<sup>th</sup> Business School & Dewang Mehta (National Education Awards, Reginal Round) on **21th August 2017** at Ambad (Nashik), (Maharashtra)

## 3. BOOK/ BOOK CHAPTER :

1. Pawan C. Tapre, Dr. Dharmendra Kumar Singh And Dr. S. R. Paraskar (2019), “A Novel method for Generation Rescheduling in Deregulated Power System”, by **Wizard Publication** , New Delhi, available on **Amazon, ISBN-10:8194126665, ISBN-13: 978-8194126669** <https://www.amazon.in/Generation-Rescheduling-Deregulated-Power-System/dp/8194126665>
2. Pawan C. Tapre, Dr. Dharmendra Kumar Singh And Dr. S. R. Paraskar (2018), Ambient Communications and Computer Systems (RACCCS 2017) Part I Intelligent Hardware and Software Design Chapter –I **Springer Nature Singapore**, Advances in Intelligent Systems and Computing **ISBN 978-981-10-7385-4 ISBN 978-981-10-7386-1** (eBook) <https://doi.org/10.1007/978-981-10-7386-1>
3. Pawan C. Tapre And Sadhashiv Kale (2016), “**Power System-I**” for SE (Electrical Engineering) (Sem.-II), **SPPU University Syllabus by Success Publication, Pune ISBN No. 978-93-24457-07-8**

## 4. GOOGLE SCHOLAR:

**Google Scholar Citations : 45**  
**Google Scholar h-Index : 04**  
**Google Scholar i10-Index : 00**

## 5. PUBLICATION DETAILS :

Web of Science	International Journal	International Conference	National Conference	Total Publication
09	60	61	06	127

(A) Journals Papers ( Web of Science, Scopus and Science Direct)—9 No.

1.	<p><b>Pawan C. Tapre, Dr. Dharmendra Kumar Singh &amp; Dr. Sudhir R. Paraskar (2018), “Lion Algorithm: A Nature-Inspired Algorithm for Generation Rescheduling-Based Congestion Management”, Book Series: Advances in Intelligent Systems and Computing, Volume 696: Page 3-15: DOI 10.1007/978-981-10-7386-1_1: Indexed 2019-01-10:Journal AMBIENT COMMUNICATIONS AND COMPUTER SYSTEMS,RACCCS 2017, ISSN2194-5357 : eISSN2194-5365 : Current Publisher SPRINGER INTERNATIONAL PUBLISHING AGGEWERBESTRASSE 11, CHAM, CH-6330, SWITZERLAND : Research Areas: Computer Science Telecommunications: Web of Science Categories: Computer Science, Information Systems Computer Science, Software Engineering Computer Science, Theory &amp; Methods Telecommunications</b></p>
2.	<p><b>Sharad Pawar and Pawan Tapre (2018), “A Hybrid Green House Management By Power Intelligent Device / Wireless Networking (Polyhouse Automation System)” PROCEEDINGS OF THE 2018 SECOND INTERNATIONALCONFERENCE ON INTELLIGENT COMPUTING AND CONTROLSYSTEMS (ICICCS) Page 17-22: Published 2018: Indexed 2019-06-06: Sponsors IEEE; Electron Devices Soc: Current Publisher: IEEE, Research Areas: Automation &amp; Control Systems Computer Science: Web of Science Categories Automation &amp; Control Systems Computer Science, Artificial Intelligence</b></p>
3.	<p><b>Krishnakant Kasar and Pawan Tapre (2018), “A New Fast Detection Module for Short-circuit Current Detection in PV Grid system”, PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE ON INVENTIVE SYSTEMS AND CONTROL (ICISC 2018), Page 468-472: Indexed 2019-06-24:, Sponsors: JCT Coll Engn &amp; Technol; IEEE; AESS; TUV Austria; Shri Jagannath Educ Hlth &amp; Charitable Trust: Current PublisherIEEE345 E 47TH ST, NEW YORK, NY 10017USA: , Research AreasAutomation &amp; Control Systems Computer Science Energy &amp; Fuels Engineering: ; Web of Science Categories Automation &amp; Control Systems Computer Science, Software Engineering Energy &amp; Fuels Engineering, Electrical &amp; Electronic</b></p>
4.	<p><b>Pawan C. Tapre, Dr. Dharmendra Kumar Singh ,Dr. Sudhir R. Paraskar &amp; Dr. A.s. Zadgaonkar (2018), “Implementation of Improved Lion Algorithm for Generator Scheduling in Deregulated Power System using IEEE-30 Bus System” 2018 INTERNATIONAL CONFERENCE ON SMART ELECTRIC DRIVESAND POWER SYSTEM (ICSEDPS), Page: 233-238: Indexed 2019-01-31: Sponsors G H Rasoni Coll Engn, GHR Labs &amp; Res Ctr; IEEE Power&amp; Energy Soc; GHR Labs &amp; Res Ctr; IEEE India Council; IEEE IndiaCouncil Power &amp; Energy Soc Chapter; IEEE Nagpur Subsect; G H Rasoni Coll Engn, GHR Labs &amp; Res Ctr, Dept Elect Engn; IEEE: Current PublisherIEEE345 E 47TH ST, NEW YORK, NY 10017USA: , Research Areas Energy &amp; Fuels Engineering: ;Web of Science Categories Energy &amp; Fuels Engineering, Electrical &amp; Electronic</b></p>
5.	<p><b>Sonali S. Kulkarni &amp; Pawan C. Tapre (2017), Analysis of Electric Field Stresses on Spacers in GIS for Different Ratings”, 2017 INTERNATIONAL CONFERENCE ON INTELLIGENTCOMPUTING AND CONTROL SYSTEMS (ICICCS), Page 295-300: Indexed 2018-04-13: Sponsors: IEEE Comp Soc; IEEE: Current PublisherIEEE345 E 47TH ST, NEW YORK, NY 10017USA: Research Areas Automation &amp; Control Systems Computer Science Engineering: ; ; Web of Science Categories Automation &amp; Control Systems Computer Science, Artificial Intelligence Engineering, Electrical &amp; Electronic</b></p>

6.	<p><b>Kalpna Khemnar &amp; Pawan C. Tapre (2017), “ Advanced Method to Balance Grid Voltage Condition Injecting Three-phase Currents by Controlling Three-phase CSC”</b> , Book Group Author: IEEEPROCEEDINGS OF 2017 INTERNATIONAL CONFERENCE ONINTELLIGENT COMPUTING AND CONTROL (I2C2) Published 2017: Indexed 2017-01-01,<b>Sponsors</b> IEEE Madras Sect; IEEE Robot &amp; Automat Soc: <b>Current Publisher</b>IEEE345 E 47TH ST, NEW YORK, NY 10017USA: <b>Research Areas</b> Automation &amp; Control Systems Computer Science Engineering: <b>Web of Science Categories</b> Automation &amp; Control Systems Computer Science, Artificial Intelligence Engineering, Electrical &amp;Electronic</p>
7.	<p><b>Pawan C. Tapre, Dr. Dharmendra Kumar Singh &amp; Dr. Sudhir R. Paraskar (2017), “A Novel Algorithm For Generation Rescheduling Based Congestion Management”</b> Indexed 2017-01-01: <b>Sponsors</b> Savitribai Phule Pune Univ; IEEE Pune Sect; MIT AcadEngn: <b>Current Publisher</b>IEEE345 E 47TH ST, NEW YORK, NY 10017USA: , <b>Research Areas</b> Education &amp; Educational Research Engineering: ; <b>Web of Science Categories</b> Education, Scientific Disciplines Engineering, Multidisciplinary</p>
8.	<p><b>Krutika T. Agrawal , &amp; Pawan C. Tapre (2017), Electric Field Computation for Porcelain Insulator during Polluted Conditions”</b>, 2017 INTERNATIONAL CONFERENCE ON INTELLIGENTCOMPUTING AND CONTROL SYSTEMS (ICICCS), <b>Page</b> 301-306: <b>Published</b> 2017: <b>Indexed</b> 2018-04-13: <b>Sponsors</b> : IEEE Comp Soc; IEEE: <b>Current Publisher</b>IEEE345 E 47TH ST, NEW YORK, NY 10017USA: , <b>Research Areas</b> Automation &amp; Control Systems Computer Science Engineering: <b>Web of Science Categories</b> Automation &amp; Control Systems Computer Science, Artificial Intelligence Engineering, Electrical &amp;Electronic</p>
9.	<p><b>Kalpna Sinha &amp; Pawan C. Tapre(2014), “ Impact of Ramp and Gust in Wind Farm Distributed Generation using Power System Stabilizer in PSCAD Simulation”</b>, 2014 IEEE STUDENTS' CONFERENCE ON ELECTRICAL,ELECTRONICS AND COMPUTER SCIENCE (SCEECS) , <b>Indexed</b> 2015-06-25: <b>Current Publisher</b>IEEE345 E 47TH ST, NEW YORK, NY 10017USA: , <b>Research Areas</b> Engineering: <b>Web of Science Categories</b> Engineering, Electrical &amp; Electronic:</p>
10.	<p><b>Pawan C. Tapre, Dr. Dharmendra Kumar Singh &amp; Dr. Sudhir R. Paraskar (2018), “Lion Algorithm: A Nature-Inspired Algorithm for Generation Rescheduling-Based Congestion Management”</b>, <b>Book Series:</b> Advances in Intelligent Systems and Computing, <b>Volume</b> 696: <b>Page</b> 3-15: <b>DOI</b> 10.1007/978-981-10-7386-1_1: <b>Indexed</b> 2019-01-10:Journal AMBIENT COMMUNICATIONS AND COMPUTER SYSTEMS,RACCCS 2017, <b>ISSN</b>2194-5357 : <b>eISSN</b>2194-5365 : <b>Current Publisher</b> SPRINGER INTERNATIONAL PUBLISHING AGGEWERBESTRASSE 11, CHAM, CH-6330, SWITZERLAND : <b>Research Areas:</b> Computer Science Telecommunications: <b>Web of Science Categories:</b> Computer Science, Information Systems Computer Science, Software Engineering Computer Science, Theory &amp; Methods Telecommunications</p>

**(B) INTERNATIONAL JOURNAL: 60**

1. Prachi Rajendra Lohande and Dr. Pawan C. Tapre, “ A Multicarrier PWM Technique for Five Level Inverter Connected to the Grid”, IJSREAM, [www.ijstream.com](http://www.ijstream.com), ISSN 2582-3930, Vol.-6, Issue-6, pp-1-10, June 2022,

2. Monin Shahbaj and Pawan Tapre, "A Review on Various Optimal Micro grid Sources & Modeling using HOMER",IJRSE, [www.ijrse.com](http://www.ijrse.com), ISSN:2319-8354, Vol.-11, Issue-5 May 2022.
3. Rushikesh Burukul and Dr. Pawan C. Tapre, "An efficient Wireless Power Transfer Methodology for Electric Vehicle Battery Charging", IRJET(ISO 2001-2008 Certified Journal), e-ISSN 2395-0056, p-ISSN : 2395-0072, Vol.-9, Issue-2, pp-1337-1341, March 2022.
4. Burkul Rushikesh Vijay and Dr. Pawan Chandrakant Tapre, "An Efficient Wireless Power Transfer Methodology Electric Vehicle Battery Charging", IJARST, [www.ijarst.co.in](http://www.ijarst.co.in), ISSN no: 2581-9429, vol.-2, Issue 2, Feb. 2022.
5. Poonam A. Thorat, Pawan Tapre, Dipesh B. Pardeshi and Ganesh V. Gavane "Sorts of Electric Vehicle –An Overview", IJARST, [www.ijarst.co.in](http://www.ijarst.co.in), ISSN no: 2581-9429, vol.-2, Issue 2, Feb. 2022.
6. Rahul Sangle and Pawan Tapre, "Single-Stage Single-Phase Reconfigurable Inverter Topology for Solar Powered Hybrid AC/DC Home", IJARIE [www.ijarie.com](http://www.ijarie.com) ISSN(O)-2395-4396, Vol-6 Issue-5, 2020.
7. Khandekar Nagnath V. and Prof. Pawan Tapre, "Outage Management in Multi-Microgrid Distribution System for Reliable Operation", IJARIE [www.ijarie.com](http://www.ijarie.com), ISSN(O)-2395-4396.
8. Suraj Vikhe and Pawan C. Tapre, "A Review on Study And Analysis of Hybrid Energy Storage System", Innovative Journal for Opportunities and Development in Science & Technology, ISSN 2582-6026, Volume 1, Issue 5,October 2020 ,Paper ID: – IJ2020V1I5-4(ABCD).
9. Londhe Rahul and Pawan C. Tapre , "A Review on a Hybrid Dynamic Demand Control Technique For Power System Frequency Regulation", Innovative Journal for Opportunities and Development in Science & Technology, ISSN 2582-6026, Volume 1, Issue 5,October 2020, Paper ID: – IJ2020V1I5-5(ABCD).
10. Sonali Vidhate and Prof. Pawan Tapre, "Design and Development of Hybrid Electrical Vehicle Using BLDC Motor", Innovative Journal for Opportunities and Development in Science & Technology, ISSN 2582-6026, Paper ID: – IJ2021V1I6, Volume 1, Issue 6, Feb. 2021.
11. Rahul Abhyankar and Dr. Pawan Tapre, "Modelling and Analysis of Electromagnetic Coilgun with Two Coils", IJSART, ISSN [ONLINE]: 2395-1052,Volume 6, Issue 12 December 2020.
12. Sonali Vidhate, Tushar Tambe, Pawan Tapre and Amit Solanki, "Design and Development of Hybrid Electrical Vehicle Using BLDC Motor", International Journal of Recent Research and Review, ISSN 2277 – 8322,Vol. XIII, Issue 3, September 2020.

13. Sonali Vidhate, Prof. Pawan Tapre and Amit Solanki, "BLDC Motor Drive for Electric Vehicle Application", International Journal of Latest Research in Engineering and Technology (IJLRET), ISSN: 2454-5031 Volume 06 - Issue 09, PP. 43-48, September 2020.
14. Pawan Chandrakant Tapre, Dr. Dharmendra Kumar Singh And Dr. Sudhir R. Paraskar, HPSOSSA: Enhancement of Dynamic Stability by Optimal Placement of UPFC, Vol.2 No.2 ,2019.
15. Lukare Yamaji Vishwanath, Pawan C. Tapre and Amit Solanki, "Review of Power Control of Distorted Grid Voltage for Doubly Fed Induction Generator", IJSRD International Journal for Scientific Research & Development, ISSN : 2321 0613, e-journal, Vol.7,Issue 10 Dec. 2019.
16. Neha Shivaji Gaikwad and Pawan C. Tapre, "Study of a Bidirectional DC/DC Converter in Low Voltage Dual Powering Mode for EV Applications", IJRECE, International Journal of Research in Electronics and Computer Engineering, ISSN(On line) : 2348-2281,ISSN(Print): 2392-9028, Vol.7, Issue 2, April to June 2019.
17. Sonal Mhase and Pawan C. Tapre, "Off Grid Photovoltaic System with Seven Level Inverter for THD Reduction", IJRECE, International Journal of Research in Electronics and Computer Engineering, ISSN(On line) : 2348-2281,ISSN(Print): 2392-9028, Vol.7, Issue 2, April to June 2019.
18. Nilesh Valmic Hadpe, Pawan C. Tapre and Amit Solanki, "Design and Performance Analysis of Three-Phase Solar PV Integrated UPQC", IRJET International Research Journal of Engineering and Technology, e-ISSN:2395-0056, p-ISSN:2395-0072,Vol.6, Issue 5, May 2019.
19. Sonal N. Mhase and Pawan C. Tapre, "Solar Power Generation System Using Seven Level Inverter", IJORST, International Journal of Research In Science & Technology, Journal Id :19041, Vol.3,Issue-1, April 2019,p.p. 101-103.
20. Nilesh Rajendra Kahane and Pawan C. Tapre, "Control Strategy for Inverter in Grid Connected DC Microgrid based on PMSG Wind Turbine under condition of System Inverter Failure", IJETAE, International Journal of Emerging Technology and Advanced Engineering, ISSN : 2250-2459(On line), ISO 9001:2008, Vol.-8, Issue-12, Dec. 2018.
21. Nilesh Kahane and Pawan C. Tapre, "Control Strategy for a DC Micro-grid based Wind Power Generation System", IJRECE, International Journal of Research in Electronics and Computer Engineering, ISSN(Online):2348-2281, ISSN(Print): 2393-9028, Vo.6, Issue-4, October-Dec. 2018.
22. Prabhanjan Bhagat and Pawan C. Tapre, "Implementation of Individual Pitch Control Technique on Variable Speed Wind Turbines with DFIG for Flicker Mitigation", IJRECE International Journal of Research in Electronics and Computer Engineering. ISSN(Online):2348-2281,ISSN(Print): 2393-9028,Vo.6, Issue-4, October-Dec. 2018.



23. Sonali Laxman Darade and Pawan C. Tapre, "Hybrid DSTATCOM topology for Compensation of Reactive Power in Non-Linear Loads", IJRECE, UGC Approved Journal, ISSN(Online):2348-2281, ISSN(Print) : 2393-9028, Vol.-6, Issue-3, July-Sep. 2018.
24. Sachin Bhaskar Jadhav and Pawan C. Tapre, "Differential Protection of Indirect Symmetrical Phase Shift Transformer and Internal Faults Classification Using Wavelet and ANN", IJSART International Journal for Science and Advance Research In Technology, Paper Id:IJSARTV41724426, ISSN(Online):2395-1052, Vol.-4, Issue-7, July 2018.
25. Sonali Ghuge and Pawan C. Tapre, "Congestion Management in Deregulated Power System by Firefly Algorithm, IJSRD International Journal for Scientific Research & Development, ISSN(Online):2321-0613, Vol.-6, Issue-4, June 2018.
26. Yamaji Vishwanath Lukare and Pawan C. Tapre, "A Review on Under Distorted Grid voltage Direct Power Control of Doubly Fed Induction Generator", IJSTMR International Journal of Science Technology Management & Research, ISSN(Online):2456-0006, Vol.-3, Issue-6, June 2018.
27. Arti Anil Joshi and Pawan C. Tapre, "Reduction of Energy Storage Requirements in Future Smart Grid Using Electric Springs", A R Digitech International Journal of engineering Education & Technology, ISSN: 2320-883X, Vol.-6, Issue 2, April 2018.
28. Pawan C. Tapre, "Various Mitigation Techniques for Very Fast Transient Over Voltages in Gas Insulated Substation", IJISRT International Journal of Innovative Science and Research Technology, Article Digital No-IJISRT18JA121, ISSN: 2456-2165, Vol.-3, Issue-1, Jan-2018.
29. Krushnkant Balasaheb Kasar and Pawan C. Tapre, "A New Fast Detection Module for Short-Circuit Current Detection in PV Grid System", IJSRD, International Journal for Scientific Research & Development, ISSN(Online): 2321-013, Vol.-5, Issue-10, Dec-2017.(IEEE Explore Publication)
30. Gopal Jagan Rathod and Pawan C. Tapre, "Compact Regenerative Breaking Scheme for a PM BLDC Motor Driven Electric Two -wheeler", IJARSE, International Journal of Advance Research in Science and Engineering, ISSN(O): 2319-8354, ISSN(P): 2319-8346, Vol.-6, Issue-11, Nov.2017.
31. Ashwini Somnath Khaire and Pawan C. Tapre, "By Using Fuzzy Three-Ratio finding of Power Transformer Faults", IJARSE, International Journal of Advance Research in Science and Engineering, ISSN(O): 2319-8354 ISSN(P): 2319-8346, Vol.-6, Issue-11, Nov.2017.
32. Pawan C. Tapre, Dr. Dharmendra Kumar Singh and Dr. Sudhir R. Paeaskar, "A Novel Algorithm for Generation Rescheduling Based Congestion Management", International Journal of Advance Research in Science and Technology, ISSN(O) 2319-8354, ISSN(P): 2319-8346, Vol.-06, Issue 09, September 2017.

- 33.** Krushnkant Balasaheb Kasar and Pawan C. Tapre, "Fault Detection Module Based fast Detection of Short Circuit Current in PV Grid System", A R Digitech International Journal of Engineering Education & Technology, ISSN: 2320-883X, Vol.-5, Issue 3, July 2017.
- 34.** Priyanka Uday Raut and Pawan C. Tapre, "Review on speed control of PMSM by using SVPWM Technique", International Journal of Electrical, Electronics and Computer System (IJEECS), ISSN: 2348-117X, Vol. 6, Issue 7, July 2017.
- 35.** Pawan C. Tapre, Dr.Dharmendra Kumar Singh and Dr. Sudhir R. Paraskar, "A Novel Algorithm for Generation Rescheduling Based Congestion Management", International Journal of Advance Research in Science and Engineering (IJARSE), ISSN(O): 2319-8354, Vol. 6, Issue 9, 17 September 2017.(IEEE Explore).
- 36.** Swapnil Dattatry Babar and Pawan C. Tapre, "Performance Analysis and Feasibility Study of Fractional Frequency Transmission System", International Journal of Engineering Education & Technology (ARDJEET ), ISSN 2320-883X, Vol. 5, Issue 3, 1 July 2017.
- 37.** Madhuri Tanaji Navale and Pawan C. Tapre, "Electrostatic Analysis of Inter coil Insulation of Distribution Transformer using FEM", International Journal for Scientific Research & Development(IJSRD), ISSN(O) : 2321 0613, Vol. 5, Issue 5, June 2017.
- 38.** Rupali Nanasaheb Malik and Pawan C. Tapre, "Adaptive Power System for Managing DC motor Type Dynamic Loads", International Journal of Scientific Engineering and Technology Research (IJSETR) ISSN 2319-8885, Vol.6, Issue 21, June 2017.
- 39.** Archana Jaynath Gaikwad and Pawan C. Tapre, "Intelligent Mechanical Sensor less MPPT Control or Wind Energy Systems", International Journal of Science & Research(IJSR), ISSN: 2319-7064(Online), Vol. 6, Issue 6, June 2017.
- 40.** Ganesh Pundlik Chavan and Pawan C. Tapre, "Simulation of Z-Source Inverter Fed Induction Motor Drive", International Journal of Research in Advent Technology (IJRAT), ISSN: 2321-9637, Vol. 5, Issue 6, June 2017.
- 41.** Kalpana Nanasaheb Khemnar and Pawan C. Tapre, "Balancing of Grid voltage Condition by Injecting Three- Phase Currents", International Journal For Scientific Research & Development(IJSRD), ISSN(Online) : 2321-0613, Vol. 5, Issue 5, June 2017.
- 42.** Kalpana Nanasaheb Khemnar and Pawan C. Tapre, "Advanced Method to Balance Grid Voltage Condition Injecting 3-Ph Current by Controlling CSC", International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), ISSN( Online) : 2319-8753, ISSN (Print) : 2347-6710, Vol. 6, Issue 6, June 2017.
- 43.** Pawan C. Tapre, "Algorithm for Thermal Modelling and Calculation for Loss of Life and Remnant Life of Power Transformer", International Journal on Emerging Trends

in Technology (IJETT), ISSN : 2455-0124 (O), 2350-0808 (P), GIF :0.456, Vol.-4, Issue-01, April 2017.

44. Maushmi Ramchandra Bankar and Pawan C. Tapre, "Voltage Control of VSC-HVDC Transmission System for Offshore Wind Power Plant", International Journal of Engineering Research in Electrical and Electronic Engineering (IJEREEE), ISSN (Online): 2395-2717, Vol.3, Issue 3, March 2017.
45. Rupai Nanasaheb Malik and Pawan C. Tapre, "Adaptive Power System for Managing DC Motor Type Dynamic Loads : A Review", International Journal of Electrical and Electronics Engineers (IJEEE), (ISSN 2321-2055), ISSN(P) 2321-2047, Vol. 09, Issue 01, Jan.-June 2017.
46. Sonali Suresh Kulkarni, Pawan C. Tapre, C. Veeresh and Krutika T. Agrawal "Electric Field Stress Analysis of Different Spacers in GIS", International Journal of Electrical and Electronics Engineers, ISSN(O):2321-2055, ISSN (P): 2321-2047, Vol.-09, Issue-01, January-June 2017.
47. Krutika Triloknath Agrawal, Pawan C. Tapre and C. Veeresh, "Optimization of Electric Field Stress on High Voltage Insulator", International Journal of Electrical and Electronics Engineers, ISSN(O):2321-2055, ISSN (P): 2321-2047, Vol.-09, Issue-01, January-June 2017.
48. Satish S. Tambe, Pavan N. Salunke, E Vijay Kumar and Pawan C. Tapre, "Conventional and Improved D-STATCOM topology to Mitigate Power Quality Issues", International Journal of Electrical and Electronics Engineers, ISSN(On line) : 2321-0613, Vol.-4, Issue-11, January 2017.
49. P.N. Salunke, Pawan C. Tapre and S.S. Tambe, "Enhancement of Power Quality by Using D-STATCOM", International Journal for Research in Science & Technology, ISSN(On line) : 2349-6010, Vol.-3, Issue-7, December 2016.
50. Pawan C. Tapre, "Improvement in Power Quality Problems by Unified Power Quality Conditioner(UPQC)", International Journal of Electrical and Electronic Engineers, ISSN(O):2321-2055, ISSN(P):2321-2047, Vol.-08, Issue-02, July-December 2016.
51. Gopal Ramesh Gaikwad and Pawan C. Tapre, "Statcom Based Power Quality Improvement of Wind Farm Fed Multi-Machine System", International Journal of Electrical and Electronics Engineers, ISSN(O): 2321-2055, ISSN(P): 2321-2047 , Vol.-08, Issue-02, July-December 2016.
52. Gopal Ramesh Gaikwad, Pawan C. Tapre and C. Veeresh, "STATCOM Based Power Quality Improvement of Wind Farm Fed Multimachine System", IJSRD, ISSN [ONLINE]: 2321 0613, Vol.-4, Issue-6 , September 2016.

53. Rohini Rajendra Dhabhade and Pawan C. Tapre, "Evolution of Power Quality Problems by Unified Power Quality Conditioner (UPQC)", IJSRD, ISSN [ONLINE] : 2321 0613, Vol.-4, Issue-7, September 2016.
54. S.N. Datkhile, Pawan C. Tapre and C. Veeresh, "A Comparative Study of Constant Speed and Variable Speed Wind Energy Conversion Systems", GRD Journals, ISSN[ONLINE] : 2455-5703, Vol.-01, Issue-1, Sep. 2016.
55. S.S. Khandal, Pawan C. Tapre and C. Veeresh, "Simulation Model of Inrush Current Mitigation Methods of Load Transformer for Series Voltage Sag Compensator", IJSRD, ISSN[ONLINE]: 2321 0613, Vol.-4, Issue-6 , August 2016.
56. Pawan C. Tapre, "Transmission Line Fault Detection Based on Wavelet Transform", IJEREE, Vol.-02, Issue-8, August 2016.
57. Kavita Dewangan and Pawan C. Tapre, "Harmonic Reduction by using Shunt Hybrid Power Filter", IJER Journal, ISSN(e): 2250-3005, Vol.-04, Issue, 5 May-2014.
58. Jai Verma, Yogesh Tiwari, Anup Mishra and Pawan C. Tapre, "Performance Analysis of various parameters by comparison of conventional pitch angle controller with fuzzy logic controller" IJRET Journal, eISSN: 2319-1163, p-ISSN: 2321-7308, pp 177-183, Vol. 3, Issue 3 ,Year 2014.
59. Kalpana Sinha and Pawan C. Tapre, "Mitigation of Power Swing in Wind Farm Distributed Generation during Balanced Three Phase to Ground Fault", IJERT, ISSN: 2278-0181, pp 4207-4214, Vol. 2 , Issue 11, January 2014.
60. Kalpana Sinha and Pawan C. Tapre, "Enhancement of Power System Stability using Power System Stabilizer in Wind Farm Distributed Generation", IJETAE, ISSN: 2250-2459, ISO 9001:2008 Certified Journal, Volume 3, Issue 10, October 2013.

#### **INTERNATIONAL CONFERENCE: 61**

1. Poonam Thorat and Pawan C. Tapre, "Sorts of Electric Vehicle-An Overview", First International Conference on "Recent Trends in Engineering Science, Technology and Management (IC-RTETM-2022)", organized by Department of Computer Engineering of Guru Govind Singh Polytechnic, Nashik during 23-25 Feb. 2022.
2. Rushikesh Burukul and Pawan C. Tapre, "An efficient wireless power transfer methodology for Electric Vehicle Battery Charging", First International Conference on "Recent Trends in Engineering Science, Technology and Management (IC-RTETM-2022)", organized by Department of Computer Engineering of Guru Govind Singh Polytechnic, Nashik during 23-25 Feb. 2022.
3. Neha Shivaji Gaikwad and Pawan C. Tapre, "Application of Bidirectional DC/DC Converter in Low Voltage Dual Powering Mode for Electric Vehicle", 3<sup>rd</sup> International Conference on IoT in Social, Mobile, Analytics and Cloud (ISMAC 2019), Organized by SCAD Institute of Technology at Palladam, India during 12-14 Dec. 2019.

4. Swati Devidas Badgujar and Pawan C. Tapre, "Implementation of Hybrid Fish BEE Optimisation For Congestion Management on Transmission Line", 2<sup>nd</sup> International Conference on Power and Embedded Drive Control-2019 (ICPEDC-2019), Organized by Department of Electrical and Electronics Engineering, SSN College of Engineering, Chennai, during 21-23 Aug. 2019.
5. Swati Bagwat Kolhe and Pawan C. Tapre, "Electrical Power Quality Enhancement By Adaptive Digital SVC Controller", 2<sup>nd</sup> International Conference on Power and Embedded Drive Control-2019(ICPEDC-2019), Organized by Department of Electrical and Electronics Engineering, SSN College of Engineering, Chennai, during 21-23 Aug. 2019.
6. Pawan C. Tapre, "Power Flow Control in Grid Connected Wind Turbine System Using STATCOM", 2<sup>nd</sup> International Conference on Power and Embedded Drive Control-2019(ICPEDC-2019), Organized by Department of Electrical and Electronics Engineering, SSN College of Engineering, Chennai, during 21-23 Aug. 2019.
7. Jyoti Sanjay Kadam and Pawan C. Tapre, "Analysis of Rotor Angle Stability of VSC Based HVDC Power Transmission System with 9- bus 3 Generators", 2<sup>nd</sup> International Conference on Power and Embedded Drive Control-2019(ICPEDC-2019), Organized by Department of Electrical and Electronics Engineering, SSN College of Engineering, Chennai, during 21-23 Aug. 2019.
8. Pawan C. Tapre, "Differential Protection Scheme for Power Transformer Using Voltage and Current Ratios", 2<sup>nd</sup> International Conference on Power and Embedded Drive Control-2019 (ICPEDC-2019), Organized by Department of Electrical and Electronics Engineering, SSN College of Engineering, Chennai, during 21-23 Aug. 2019.
9. Sonal Nanasahab Mhase and Pawan C. Tapre, "An Optimized Seven Level Convertor with DC-DC Convertor for PV Application", 2<sup>nd</sup> International Conference on Power and Embedded Drive Control-2019(ICPEDC-2019), Organized by Department of Electrical and Electronics Engineering, SSN College of Engineering, Chennai, during 21-23 Aug. 2019.
10. Ganesh Prakash Kale and Pawan C. Tapre, "Characteristics Comparison of Hybrid STATCOM with different Compensating Devices", Two days International Conference on Contemporary Global Trends and Research in Electrical and Electronics Engineering (CGTREEE-2019), Hosted by Department of Electrical & Electronics Engineering, Laxmi Narayan College of Technology, Indore on 29-30 March 2019.
11. Nilesh Valmik Hadpe and Pawan C. Tapre, "Study Performance Analysis of three phase Solar PV integrated UPQC under Sag Condition", Two days International Conference on Contemporary Global Trends and Research in Electrical and Electronics Engineering (CGTREEE-2019), Hosted by Department of Electrical & Electronics Engineering, Laxmi Narayan College of Technology, Indore on 29-30 March 2019.

- 12.** Aditya Dilip Ahire and Pawan C. Tapre, "Short Circuit Analysis of 1 X 25 KV Catenary of Railway Traction System", Two days International Conference on Contemporary Global Trends and Research in Electrical and Electronics Engineering (CGTREEE-2019), Hosted by Department of Electrical & Electronics Engineering, Laxmi Narayan College of Technology, Indore on 29-30 March 2019.
- 13.** Gital Pramod Rikame and Pawan C. Tapre, "Design & Analysis of ZVS-interleaved fly back DC-DC Converter", Two days International Conference on Contemporary Global Trends and Research in Electrical and Electronics Engineering (CGTREEE-2019), Hosted by Department of Electrical & Electronics Engineering, Laxmi Narayan College of Technology, Indore on 29-30 March 2019.
- 14.** Pooja Vijay Sangle and Pawan C. Tapre, "Improvement of Power System Stability in Wing Turbine by using FACTs Devices", Two days International Conference on Contemporary Global Trends and Research in Electrical and Electronics Engineering (CGTREEE-2019), Hosted by Department of Electrical & Electronics Engineering, Laxmi Narayan College of Technology, Indore on 29-30 March 2019.
- 15.** Jyoti Sanjay Kadam and Pawan C. Tapre, "A Review articles on the HVDC Power Transmission System with Voltage Source Converter", Two days International Conference on Contemporary Global Trends and Research in Electrical and Electronics Engineering (CGTREEE-2019), Hosted by Department of Electrical & Electronics Engineering, Laxmi Narayan College of Technology, Indore on 29-30 March 2019.
- 16.** Sandip Sankar Yeole and Pawan C. Tapre, "Control Strategy for Distribution Generation Units through Active Power Sharing & Frequency Recovery", Two days International Conference on Contemporary Global Trends and Research in Electrical and Electronics Engineering (CGTREEE-2019) Hosted by Department of Electrical & Electronics Engineering, Laxmi Narayan College of Technology, Indore on 29-30 March 2019.
- 17.** Milind Dharma Suryawanshi and Pawan C. Tapre, "Analysis of Solar Photovoltaic System with Fuzzy Logic Controller" Two days International Conference on Contemporary Global Trends and Research in Electrical and Electronics Engineering (CGTREEE-2019), Hosted by Department of Electrical & Electronics Engineering, Laxmi Narayan College of Technology, Indore on 29-30 March 2019.
- 18.** Nilesh Rajendra Kahane and Pawan C. Tapre, "A Review : Control Strategy for Inverter op. DC Micro grid on PMSG under transient condition", Two days International Conference on Contemporary Global Trends and Research in Electrical and Electronics Engineering (CGTREEE-2019), Hosted by Department of Electrical & Electronics Engineering, Laxmi Narayan College of Technology, Indore on 29-30 March 2019.
- 19.** Swapnil Arun Darandal and Pawan C. Tapre, "Current and Voltage Ratio Method for Power Transformer Differential Protection", Two days International Conference on Contemporary Global Trends and Research in Electrical and Electronics Engineering (CGTREEE-2019) Hosted by Department of Electrical & Electronics Engineering, Laxmi Narayan College of Technology, Indore on 29-30 March 2019.

- 20.** Pawan C. Tapre, “Flicker Mitigation Using Individual Pitch Technique on Variable Speed Wind Turbines With DFIG”, International Conference on Electrical, Communication, Electronics, Instrumentation and Computing (ICECEIC-2019), Organized by Sri Chandrasekharendra Saraswathi Viswaa Mahavidyalaya, Sri Jayendra Saraswathi Street, Enathus, Kanchipuram, Tamil Nadu, India, during 30-31 Jan.2019.
- 21.** Nilesh Rajendra Kahane and Pawan C. Tapre, “Control Strategy for Inverter Operating DC Micro grid based on PMSG under various transient condition”, International Conference on Electrical, Communication, Electronics, Instrumentation and Computing(ICECEIC-2019) Organized by Sri Chandrasekharendra Saraswathi Viswaa Mahavidyalaya, Sri Jayendra Saraswathi Street, Enathus, Kanchipuram, Tamil Nadu, India, during 30-31 Jan.2019.
- 22.** Pawan C. Tapre, Dr. Dharmendra Kumar Singh and Dr. Sudhir R. Paraskar, Implementation of Improved Lion Algorithm for Generation Scheduling, International Conference on Smart Electric Drives and Power System (ICSEDPS-2018), Held at G.H. Rasoni College of Engineering , Nagpur, India during 12-13 June 2018.
- 23.** Sonali Ghuge and Pawan C. Tapre, “Congestion Management using Firefly Algorithm for IEEE 30 Bus System”, IEEE-International Conference on Systems, Computation, Automation and Networking (ICSCAN 2018), Organized by Manakula Vinayagar Institute on 6-7 July 2018.
- 24.** Sonali Laxman Darade and Pawan C. Tapre, “Compensation of Reactive Power in Non-Linear Loads using Hybrid DSTATCOM Topology”, IEEE-International Conference on Systems, Computation, Automation and Networking (ICSCAN 2018), Organized by Manakula Vinayagar Institute on 6-7 July 2018.
- 25.** Sonali Laxman Darade and Pawan C. Tapre, “Hybrid DSTATCOM Topology for Compensation of Reactive Power in Non-Linear Loads”, 4<sup>th</sup> International Conference of Advancement in Engineering, Applied Science and Management (ICAEASM-2018), Organized at Indian Council of Social Science Research, North West Regional Centre, Punjab University Campus Chandigarh, India on 1<sup>st</sup> July 2018.
- 26.** Sharad Shivrram Pawar and Pawan C. Tapre, “A Hybrid Green House Management By Power Intelligent Wireless Networking (Poly house Automation System)”, International Conference on Intelligent Computing and Control Systems (ICICS-2018), Organized by Vaigai College of Engineering, Madurai, India during 14-15 June 2018.
- 27.** Pawan C. Tapre, Dr. Dharmendra Kumar Sigh and Dr. Sudhir R. Paraskar, “Implementation of Improved Lion Algorithm for Generation Scheduling, International Conference on Smart Electric Drives and Power System (ICSEDPS-18), Organized by G.H. Rasoni College of Engineering, Nagpur on 12-13 June 2018.
- 28.** Pawan C. Tapre, “Comparison of Voltage Sag & Swell Compensation by DFIG with Dynamic Voltage Restore & Crowbar”, International Conference on Knowledge

Discovery in Science and Technology (ICKDST-2108), Organized by JSPM, Hadapsar, Sponsored by Savitribai Phule Pune University, Pune, IEEE Education Society & IEEE Computer Society, Pune Section Conducted on 27-28 Feb. 2018.

- 29.** Pawan C. Tapre, “Variable Drive Speed Control by using Special Switching Control Strategy of SVPWM by MATLAB/ Simulink”, International Conference on Knowledge Discovery in Science and Technology (ICKDST-2108), Organized by JSPM, Hadapsar, Sponsored by Savitribai Phule Pune University, Pune, IEEE Education Society & IEEE Computer Society, Pune Section Conducted on 27-28 Feb. 2018.
- 30.** Rohit Bhausaheb Yadaav and Pawan C. Tapre, “Power Rating Improvement in Cascaded H-bridge multilevel inverter & comparison of 5 level CDHB with CHB inverter”, International Conference on Knowledge Discovery in Science and Technology (ICKDST-2108), Organized by JSPM, Hadapsar, Sponsored by Savitribai Phule Pune University, Pune, IEEE Education Society & IEEE Computer Society, Pune Section Conducted on 27-28 Feb. 2018.
- 31.** Kiran Popat Varade and Pawan C. Tapre, “Power Electronic Transformer based DVR for Load Side Protection Against Voltage Distribution”, International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC-2018), Organized by Priyadarshhini Engineering College, Vellore District, Tamil Nadu, India during 28-29 Jan. 2018.
- 32.** Pawan C. Tapre, “A Fault Detection Module Based Detection of Circuit Current Due to Symmetrical and Asymmetrical Faults in PV Grid System”, International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC-2018), Organized by Priyadarshhini Engineering College, Vellore District, Tamil Nadu, India during 28-29 Jan. 2018.
- 33.** Krishkant Balasaheb Kasar and Pawan C. Tapre, “A New Fast Detection Module for Short-Circuit Current Detection in PV Grid System”, 2<sup>nd</sup> International Conference on Inventive Systems and Control (ICISC-2018), Organized by JCT College of Engineering and Technology on at Pinhanur, Coimbatore, Tamil Nadu, India on 19-20 Jan. 2018.
- 34.** Pawan C. Tapre, “Ability of DFIG Wind Turbine to Remain in Synchronism with Grid by Using DVR Faults In Power System”, International Conference on Smart City and Emerging Technologies (ICSCET-2018), Organized at Universal College of Engineering, Mumbai in association with IEEE Bombay Section on 5 Jan. 2018.
- 35.** Pawan C. Tapre, Dr. Dharmendra Kumar Singh and Dr. Sudhir R. Paraskar, “A Novel Method of Generation Rescheduling in Deregulated Power System”, 2<sup>nd</sup> International Conference on Soft-Computing : Theories and Applications (SoCTA-2017), Organized by Institute of Engineering & Technology, BundeKhand University, Jhansi, India.



36. Priyanka Uday Raut and Pawan C. Tapre, "Review on speed control of PMSM by using SVPWM Technique", 7<sup>th</sup> International Conference on Engineering Technology, Science and Management Innovation (ICETSMI-2017), Institution of Electronics and Telecommunication Engineers (IETE) Lodhi Road , Delhi, India.
37. Pawan C. Tapre, Dr. Dharmendra Kumar Singh and Dr. Sudhir R. Paeaskar, "A Novel Algorithm for Generation Rescheduling Based Congestion Management", International Conference on Transforming Engineering Education (ICTEE-2017), Hosted by MIT Academy of Engineering Alandi(D), Pune held from 13 to 16 Dec. 2017.
38. Pawan C. Tapre, "By using Power Electronics Transformer Based DVR to Enhance Quality of Power", International Conference on Electrical and Electronics Engineering (ICEEE), Held at Mumbai on 23<sup>rd</sup> July 2017.
39. Madhuri Tanaji Navale and Pawan C. Tapre, "Electrostatic Field Analysis of HV Winding Insulation of Transformer Using FEM", Technology Innovations in ICT for Agriculture and Rural Development, Held at Easwari Engineering College (A Unit of **SRM Group of Educational Institutions, Chennai-600089**) on 7<sup>th</sup> and 8<sup>th</sup> April 2017.
40. Pawan C. Tapre, Dr. Dharmendra Kumar Singh and Dr. Sudhir R. Paraskar, "A Novel Algorithm for Generation Rescheduling Based Congestion Management", 5<sup>th</sup> International Conference on Innovative Trends Science, Engineering and Management, Held at C-DAC, Juhu, Mumbai, Maharashtra ,during 17<sup>th</sup> September 2017.
41. Pawan C. Tapre, Dr. Dharmendra Kumar Singh and Dr. Sudhir R. Paraskar, "Lion Alogorithm for Generation Rescheduling based Congestion Management in Deregulated Power System", **IEEE Madras Section** on International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS)-2017.
42. Swapnil Dattatry Babar and Pawan C. Tapre, "Comparative Analysis of Performance of Fractional Frequency Transmission System with Conventional 50 Hz System", International Conference on Electrical and Electronics Engineering (ICEEE), Held at Pune ( Maharashtra) on 25<sup>th</sup> July 2017.
43. Rupali Nanasaheb Malik and Pawan C. Tapre, "Adaptive Power System for Managing DC Motor Type Dynamic Loads", **IEEE Sponsored** 2017 International Conference on Intelligent Computing and Control( I2C2'17), Organized by Karpagam Innovation Centre, Karpagam College of Engineering, Coimbatore held on 23-24 June 2017.
44. Kalpana Nanasaheb Khemar and Pawan C. Tapre, "Advanced Method to Balance Grid Voltage Condition Injecting Three-Phase Currents by Controlling Three-Phase CSC", **IEEE Sponsored** 2017 International Conference on Intelligent Computing and Control( I2C2'17) Organized by Karpagam Innovation Centre, Karpagam College of Engineering, Coimbatore held on 23-24 June 2017.

45. Maushmi Ramchandra Bankar and Pawan C. Tapre, "Implementation of Offshore Wind Power Plant using Voltage Control VSC-HVDC Transmission System", International Conference on Emerging Trends in Electronics, Electrical and Mechanical Engineering(ICEEME), Institute of Research And Journals(IRAJ) Research Forum in Associate with Technoarete International, Held at New Delhi, on 18<sup>th</sup> June 2017.
46. Sonali Suresh Kulkarni and Pawan C. Tapre, "Analysis of Electric Field Stresses on Spacers in GIS for Different Ratings", International Conference on Intelligent Computing and Control Systems (ICICCS) **sponsored by IEEE Computer Society**, Organized by Vaigai College of Engineering at Maduai during 15-16 June 2017.
47. Krutika Triloknath Agrawal and Pawan C. Tapre, "Electric Field Computation for Porcelain Insulator during Polluted Conditions" , International Conference on Intelligent Computing and Control Systems(ICICCS) **sponsored by IEEE Computer Society** organized by Vaigai College of Engineering at Maduai during 15-16 June 2017. Organized by Vaigai College of Engineering at Maduai during 15-16 June 2017.
48. Rupali Nanasaheb Malik and Pawan C. Tapre, "Adaptive Power System for Managing DC Motor Type Dynamic Loads : A Review", International Conference on Academic Research in Engineering and Management (ICAREM-2017) ISBN : 978-93-86171-43-6, **Organized by (IETE) Institution of Electronics and Telecommunication Engineers**, Delhi held on 30<sup>th</sup> April 2017.
49. Kalpana Nanasaheb Khemnar and Pawan C. Tapre, "Architecture of Power Injection System for On-Grid Photovoltaic system based on Parallel Inverters", International Conference on Advanced Trends in Engineering (ICATE-2017) ISSN:2348-117X **sponsored by the Indian Society for Technical Education(ISTE)**, Organized by Datta Meghe College of Engineering (DMCE), Navi Mumbai on 7-8 April 2017.
50. Shraddha Subodh Acharya and Pawan C. Tapre, "A Review on Thermal Model and Calculation for Loss of Life and Remaining Life of Power Transformer", **IEEE International Conference on " Technological Innovations in ICT for Agriculture and Rural Development"**, Held at **Easwari Engineering College (A Unit of SRM Group of Educational Institutions, Chennai-600089)** on 7<sup>th</sup> and 8<sup>th</sup> April 2017.
51. Arti Anil Joshi and Pawan C. Tapre, "Reduction of Energy Storage Requirements in Future Smart Grid Using Electric Springs", International Conference on Emerging Trends and Research In Engineering, Organised by Navasahyadri Group of Institute Faculty of Engineering, Pune & A R Digitech India, During 23-25 March 2017.
52. Madhuri Tanaji Navale and Pawan C. Tapre, "Electrostatic Field Analysis of HV Winding Insulator of Transformer using FEM", **IEEE Sponsored "4<sup>th</sup> International Conference on Innovation, Embedded and Communication Systems (ICIIECS'17)**. Organized by Karpagam Innovation Centre, Karpagam College of Engineering, Coimbatore held on 17-18 March 2017.

53. Shraddha Subodh Acharya and Pawan C. Tapre, "A Review on Thermal Model and Calculation for Loss of Life and Remaining Life of Power Transformer", **IEEE Sponsored 4<sup>th</sup> International Conference** on Innovation in Information, Embedded and Communication Systems (ICIIECS'17), Held on 17<sup>th</sup> and 18<sup>th</sup> March 2017 Organized by Department of Electronics and Telecommunication Engineering, Karpagam College of Engineering , Coimbatore, Tamilnadu.
54. Solani Suresh Kulkarni and Pawan C. Tapre, "Electric Field Stress Analysis of Different Spacers in GIS", 7<sup>th</sup> International Conference on Science, Technology & Management (ICSTM-17)", ISBN: 978-93-86171-30-6, Held on 25<sup>th</sup> Feb. 2017 at Guru Gobind Singh Polytechnic, Nashik.
55. Kritika Triloknath Arawal and Pawan C. Tapre, "Optimization of Electric Field Stress on High Voltage Insulator", 7<sup>th</sup> International Conference on Science, Technology & Management (ICSTM-17), ISBN: 978-93-86171-30-6, Held of 25<sup>th</sup> Feb. 2017 at Guru Gobind Singh Polytechnic, Nasik.
56. Mayur Vasant Chaudhary and Pawan C. Tapre, "Power Quality Enhancement in Hybrid System With Energy Storage Using UPQC", International Conference of Advanced Material Technologies (ICAMT-2016), Organized by Dadi Institute of Engineering & Technology, Visakhapatnam, Andhra Pradesh during 27-28 Dec. 2016.
57. Pawan C. Tapre, "Improvement in Power Quality Problems by Unified Power Quality Conditioner(UPQC)", 2 days, 5<sup>th</sup> International Conference of Recent Trends in Engineering, Science & Management, Held at Parvatibai Genda Moze College of Engineering, Wagholi, Pune on 9<sup>th</sup>-10<sup>th</sup> December 2016, ISBN: 978-93-86171-12-2.
58. Gopal Ramesh Gaikwad and Pawan C. Tapre, "STATCOM Based Power Quality Improvement of Wind Farm Fed Multi-Machine System", 6<sup>th</sup> International Conference on Science, Technology and Management ISBN : 978-93-86171-16-0 , 4<sup>th</sup> December 2016.
59. Mayur Vasnt Chaudhary and Pawan C. Tapre, "Enhancement of Power Quality using UPQC in Hybrid Wind/Diesel System with Energy Storage", International Conference on Signal Processing, Communication, Power and Embedded System(SCOPES) -2016 with copyright '978-1-5090-4620-1/16/\$31.00©2016 IEEE , 3-5 October 2016.
60. Pawan C. Tapre, "Accurate Fault Detection Technique for Power Transmission Line Using Wavelet Transform", International Conference (Code- TEST'16) on Trading Researches in Engineering, Science & Technology-2016, 30 September 2016.
61. Kalpana Sinha and Pawan C. Tapre, "Gust in Wind Farm Distributed Generation using Power System Stabilizer in PSCAD Simulation", 2<sup>nd</sup> IEEE International Students' Conference for Electrical, Electronics and Computer Science (SCEECS-2014), Organized by Maulana Azad National Institute of Technology, Bhopal, India.

1. Pawan C. Tapre, "Electric Field Stress Calculation on High Voltage Insulator", Presented a paper in National Conference on Emerging Trends in Engineering & Technology (NCETET-17), Organized by Loknete Gopinathji Munde Institute of Engineering Education & Research, Nashik (Maharashtra) on 24-25 March 2017.
2. Pawan C. Tapre, "Analysis of Electric Field Stress on Different Spacers in GIS", Presented a paper in National Conference on Emerging Trends in Engineering & Technology (NCETET-17), Organized by Loknete Gopinathji Munde Institute of Engineering Education & Research, Nashik (Maharashtra) on 24-25 March 2017.
3. Pawan C. Tapre, "Impact of Ramp and Gust in Wind Farm Distributed Generation using Power System Stabilizer in PSCAD Simulation", presented a paper in National Conference "SAMVID-2014", Organized by Shri Shankaracharya Technical Campus, Bhilai.
4. Pawan C. Tapre, "Optimal Capacitor placement on radial distribution networks using  $\alpha$ -coefficient, loss sensitivity factors and genetic algorithm", presented a paper in National Conference "Technologia 2012" Organized by Christian college of engineering & Technology, Bhilai,(C.G.).
5. Pawan C. Tapre, "Comparision of particles optimization and genetic algorithm for fuel cost optimization", presented a paper in National Conference "AICON'11" Organized by Chhatrapati Shivaji Institute of Technology, Durg (C.G.).
6. Pawan C. Tapre," Application of Fact Devices STATCOM for Voltage Compensation in different loads", presented a paper in National Conference " Technogia-2009",At M.P.

#### **WEBINAR ORGANIZED:**

1. Organized & Attended the Webinar on "**Battery Charging Technology**" Presented by **Sankalp Chimurkar**, Manager, Fronius India Private Limited, Ahemdabad & Organized by Department of Electrical Engineering & Research Centre, Yeola (Nashik) on **22 July 2020**.
2. Organized & Attended the Webinar on "**Basics of Protection System**" presented by Prof. Rohini Haridas (HOD Electrical) at Maulana Mulhtar Ahmed Nakvi Technical Compus, Malgaon & Organised by Department of Electrical Engineeering & Research Centre, Yeola(Nashik) on **14 July 2020**.
3. Organized & Attended the Webinar on "**Promising Career in Advance Manufacturing & Industry 4.0 - The Untold Success**" Mr. Devendra Gope Business Development & Manager Central & West India, Fronius India Private Limited, Ahemdabad & Organized by Department of Electrical Engineering & Research Centre, Yeola (Nashik) on **21 August 2020**.
4. Organized & Attended the Webinar on "**How to get 75% Scholarship on Microsoft Certification Tracks**" by Mr. Sandeep Jethani Entrepreneur/Innovated/Ed-Tech &

Education Quantum Learning , New Delhi & Organized by Department of Electrical Engineering & Research Centre, Yeola (Nashik) on **09 August 2020.**

**WORKSHOP ATTENDED: (09)**

1. Attended **Four days “National Workshop on MATLAB/Simulink”** in SSTC, SSGI, Bhilai during **3<sup>rd</sup> June to 6<sup>th</sup> June 2013.**
2. Attended **Two days Workshop on “SCILAB”** organized by Department of Electrical Engineering of Sanghavi college of Engineering, Nashik on **22-23 Dec. 2016.**
3. Attended **Two days Workshop on “Recent Trends in Solar Power Generation Techniques”** organized by Department of Electrical Engineering of Sanghavi college of Engineering, Nashik on **08-09 Feb. 2017.**
4. Attended **Three days workshop on “Industrial Automation Using PLC & SCADA”** conducted by **“Visionary Industrial Automation Training Academy (VIATA) Nashik”** at Department of Electrical Engineering of SND College of Engineering and Research Centre, Yeola on **20-22 Sept. 2017.**
5. Attended **Two days National Level Workshop on “Advances in Smart Grid Technologies”** held at Department of Electrical Engineering of Sinhgad Institute of Technology, Lonavala on **11-12 Jan. 2018.**
6. Attended **Two days Workshop on “Renewable Energy & Its Applications”** organized by Department of Electrical Engineering of Sanghavi College of Engineering, Nashik on **14-15 March. 2018.**
7. Attended **Three days Workshop on “Industrial Automation workshop Programme Using PLCs & SCADA”** conducted by **Autotech**, Nashik on **3-5 Oct. 2019.**
8. Attended **Two days State Level Workshop on “Emerging Trends In Electric Hybrid Vehicles”** Organized by the Department of Electrical Engineering of SND College of Engineering & Research Centre, Yeola, Nashik on **10-11 Jan. 2020.**
9. Attended **One day Workshop on “TRIZ for Understanding Scientific, Management and Engineering Principles”** Organized by Guru Govind Singh College of Engineering and Research Centre, Nashik and TRIZ Association of ASIA on **07 March. 2020.**

**STTP ATTENDED (01):**

Attended **One week Short Term Training Program on “Advanced Optimization Techniques with Applications in Electrical Engineering”** Organized by Department of Electrical Engineering at Sinhgad Institute of Technology, Lonavala during **6<sup>th</sup> to 10<sup>th</sup> March 2017.**

**TRAINING:**

- Attend **5 Days** Training on Best Practices in Distribution System, “**Sub Station Maintenance for Engineers**” during **23 Jul to 27 Jul 2007** at **Eklahare-Nasik under Maharashtra State Electricity Distribution Co. Ltd.**
- **WORK OTHER THAN TEACHING:**
- Preparation of different criteria of **NAAC** Jan 2022 to April 2022.
- As a Recourse Person & Expert Online talk on “**Electric Vehicle Batteries**” Organize by Electronics & Telecommunication Department of SNJB College of Engineering on date 14/05/2022 on Google meet.
- Participated in Online **Faculty Development Programme** on “**Intellectual Property Right & Patent Filling**” organized by Department of Mechanical Engineering Department, SND College of Engineering & Research center, Yeola on **23 April 2022.**
- Organized & Participated one day virtual workshop on “**Python Programming & Industrial Application**” organized by Electrical Engineering Department, SND College of Engineering & Research Center, Yeola on **16 April 2022.**
- Organized & Participated one day workshop on “**Advanced Electrical & Electronics Components used in Industry**” organized by Electrical Engineering Department, SND College of Engineering & Research Center, Yeola on **28 March 2022.**
- Attended **6 days AICTE-ISTE approved Orientation / Refresher Programme** on “**Smart Renewable Energy & Society**” held during **21 Feb. 2022 to 26 Feb. 2022** organized by Bhilai Institute of Technology, Durh, Chhattishgarh.
- Attended one week on line **Faculty Development Program** on “**Intellectual Property Rights**” organized by Department of Mechanical Engineering, SND College of Engineering & Research center, Yeola & MKSSS’s Cummins College of Engineering for Women, Nagpur on **7 March to 12 March 2022.**
- Participated in **IP Awareness/Training program under National Intellectual Property Awareness Mission** organized by **Intellectual Property Office, Government of India, Ministry of Commerce and Industry, Department of Promotion of Industry and Internal Trade** on **10 March 2022.**
- Participated in **3 days AICTE-ISTE Approved Faculty Development Program** on “**Outcome Based Education and NBA Perspective**” organized by Govindrao Wanjari College of Engineering & Technology, Polytechnic, Nagpur on **2 March 2022 to 4 March 2022.**
- **Session Chair** for Technical Session for **International Conference** on “**Recent Trends in Electrical & Electronics Engineering**” Organized by

**Department of Electrical Engineering, SVKM's Institute of Technology, Dhule (M.S.) on 24/12.2021.**

- **IQAC Incharge** of SND College of Engineering & Research Centre, Yeola, (Nashik) from **11.02.21 to till date.**
- Participating in the One-Day National Level Webinar on “**NAAC Related Quality Initiates**” Organized by the **Department of IQAC S.N.D. Arts, Commerce and Science College, Yeola, Nashik (Maharashtra) on 7th July 2021.**
- Attended the **A State Level Webinar on “Electric Vehicles and Future Mobility”** organized by Department of Electronics and Telecommunication Engineering, **SIT Lonavala on 3<sup>rd</sup> July 2021.**
- **Organized State Level Project Competition** for Final Year Diploma Students On “**Innovative Ideas Of Projects**” on **18-19 June 2021.**
- On Line Webinar Attended on “**Residential Electrical Design Using AutoCad**” Organized by Department of Electrical Engineering **K.K.W.E.E.& R, Nashik on June 8 2021.**
- Conduct Online Webinar on “**HVDC Transmission System**” for SND Polytechnic, Babulgaon (Yeola) & MIT Polytechnic (Dhanor) Final Year Polytechnic Student on **19<sup>th</sup> May 2021.**
- Organized On Line Faculty Development Programme (FDP) for SND Polytechnic Staff on “ **Recent Trends In Electrical Power System**” from **26<sup>th</sup> April to 30<sup>th</sup> April 2021.**
- Conduct Guest Lecture on “**Application of Substation in Power System**” for SND Polytechnic, Babulgaon (Yeola) & MIT Polytechnic (Dhanor) Final Year Polytechnic Student on **24<sup>th</sup> April 2021.**
- Attended Faculty Oriented Program For “**SE Electrical 2019 Pattern Semester-II**” In Association with “**Savitribai Phule Pune University**” on dated **27 March 2021.**
- Member of technical Advisory Board for International Conference on Contemporary Global Trends and Research in Electricals and Electronics Engineering (**CGTREEE-2019**) conducted on **29-30 March 2019** organized by Department of Electrical and Electronics Engineering, Lakshmi Narayan College of Technology, Indore.
- Organizing two days state level conference on “Recent Technologies in Power System” under QIP program funded by SPPU Pune on **23-24 Feb. 2018.**
- NAAC work done of Electrical Engineering Department in **2016-17.**

- Judge for “State Level Technical Paper Presentation Competition” at Department of Electrical Engineering of Sandip Polytechnic is organizing a MSBTE sponsored on **25<sup>th</sup> Sept. 2016.**
- Inspection Committee member for the academic session 2015-16 for inspect the Columbia Institute of engineering & Technology, Raipure (C.G.).for affiliation, Bhilai on date **03 March 2015.**
- Inspection Committee member for the academic session 2015-16 for inspect the Columbia Institute of engineering & Technology, Raipure (C.G.).for affiliation, Bhilai on date **03 March 2015.**
- Inspection Committee member for the academic session 2015-16 for inspect the Disha Institute of Management and Technology, Raipure (C.G.).for affiliation, Bhilai on date **03 March 2015.**
- Inspection Committee member for the academic session 2014-15 for inspect the RSR Rungta College of Engg. & Teech., Bhilai on date **16 June 2014.**
- Inspection Committee member for the academic session 2014-15 for inspect the G. D. Rungta College of Engg. & Teech., Bhilai on date **16 June 2014.**
- Appointed as Teacher Guardian in RCET, Bhilai from **07 January to 10 January** for CSVTU Main Examinations (**Nov.-Dec., 2014**).
- Appointed as Teacher Guardian in RCET, Bhilai from **07 January to 10 January** for CSVTU Main Examinations (**Nov.-Dec., 2014**).
- ME Coordinator (Power System) of a Electrical Engg. Department in SSTC, SSGI, Bhilai from **Aug. 2013 to July 2015.**
- Taking active participation in the “National Workshop on MATLAB/ Simulink” in SSTC, SSGI, Bhilai during **3<sup>rd</sup> June to 6<sup>th</sup> June 2013.**
- Organizing Secretary in State Level Inter Engineering College Quiz Competition (Sponsored by CREDA Raipure) on Engineer’s day (**15<sup>th</sup> September 2010**).
- Finance committee head in Technologia **2009** in MPCCET.
- HOD Electrical Engg. Department in MPCCET from **1999 to 2003.**
- NSS In charge in MPCCET from **2001 to 2003.**
- Arrange **10 days Camp of NSS** with the theme of “**Youth for Water Harvesting**” in rural areas of Durg Dist.(C.G.) in 2002 at MPCCET.
- Assistant Centre Superintendent in MPCCET from **2000 to 2003.**