

## Bio- Data

### PERSONAL DETAILS

**NAME:** SANJAY BABARAO WARKAD



**DATE OF BIRTH:** 27<sup>th</sup> January 1970

**MARITAL STATUS:** Married

**NATIONALITY:** Indian

**LANGUAGES KNOWN:** Marathi, Hindi and English

**POSTAL ADDRESS:** Flat No. 101, Universal Mystique-2 Apartment,  
Swagat Cooperative Society, Near Sahakar  
Nagar, Nagpur-440025., Maharashtra State

**E-mail:** [sbwarkad@gmail.com](mailto:sbwarkad@gmail.com),  
[sbwarkad@yahoo.co.in](mailto:sbwarkad@yahoo.co.in)

**Phone:** Mob: +91-8830401353

### EDUCATIONAL QUALIFICATION

S.N	Qualification	University/Board	Percentage	Year of Passing
1	<b>Ph.D</b> (Electrical Engg.)	Visvesvaraya National Institute of Technology (VNIT), Nagpur	Awarded in July 2011	
2	<b>M.E.</b> (Electrical Power System)	Amravati University	65.00 %	2002
3	<b>M.B.A.</b> (Marketing & Production)	Nagpur University	63.00 %	1994
4	<b>B.E.</b> (Electrical Power System)	Amravati University	70.21 %	1992
5	<b>H.S.C.</b> (Science)	Nagpur Div. Board	60.67 %	1988

### INDUSTRY EXPERIENCE: (2 Years & 6 Months)

SN	Name & Address of Employer	Post held	Serving period	Length of service
1	Victron's Engineers Private Ltd, (manufacturer of High capacity CTs/PTs), Nagpur.	Production Planning Professional (Electrical)	15/04/1995 to 26/07/1995	3 Months, 11 Days
2	Chhattisgarh Beverages Pvt.	Sales & Service	15/07/1994 to	7 Months,

	Limited A division of Pepsi Food Products (FP Division), Raipur.	Engineer	28/02/1995	13 Days
3	J. M. Kondawar Electrical Contractor, Nanded	Electrical Supervisor	10/11/1993 to 10/07/1994	8 Months
4	400 kV Transmission Lines Construction Circle, Maharashtra State Electricity Board, Nagpur	Apprentice Engineer	05/11/1992 to 04/11/1993	One Year

### ACADEMIC EXPERIENCE: (27 Years, 8 Months)

SN	Name & address of Employer	Post held	Serving period	Length of service
1	P.R. Pote Patil College of Engineering & Management, Amravati	Professor & Dean (IQAC)	05/10/2015 to till date	
2	Chameli Devi School of Engineering, CDGI, Indore, M.P.	Professor & HoD	01/04/2013 to 03/10/2015	2 Years, 5 Months
3	Priyadarshini College of Engineering, Nagpur, Maharashtra	Associate Professor	01/07/2010 to 30/03/2013	2 Years, 8 Months
4	Shri Sant Gajanan Maharaj College of Engineering, Shegaon, Maharashtra	Assistant Professor	09/02/2010 to 30/06/2010	5 Months
5	Disha Institute of Management & Technology (DIMAT), Raipur	Assistant Professor	27/11/2009 to 08/02/2010	2 Months
6	Priyadarshini College of Engineering, Nagpur, Maharashtra	Assistant Professor	15/02/2008 to 26/11/2009	1 Year, 7 Months
7	Shri Sant Gajanan Maharaj College of Engineering, Shegaon, Maharashtra	Sr. Grade Lecturer/ Lecturer	01/07/1996 to 14/02/2008	12 Years, 7 Months

### SUBJECT TAUGHT/TEACHING

- **Subject (Electrical Engg- M.E./MTech. - PG Level):** Generation Planning and Load Dispatch, High Voltage Transmission, Artificial Neural Networks & Fuzzy Logic, Power System Deregulation/Restructuring.
- **Subject (Electrical Engg-B.E./B.Tech.- UG Level):** Electrical Power System, Power System Economics, Power System Operation & Control, Switch Gear & Protection, Power Quality, Basic Electrical Engineering, Electrical Machines, Electrical Measurement & Measuring Instruments, Generation Planning & Station Practice, Fuzzy Logic & Artificial Neural Network, EHVAC & HVDC Transmission, Non-Conventional Energy Sources, Computer methods in Power System, Energy Conservation & Management, Entrepreneurship Development & Project Management.

**RESEARCH PROJECT: Awarded & ongoing**

- **Ph.D.**

SN	Title of Project	Name of Projectee/Institution	Status
1	“Assessment of Electricity Sector Reforms and Electricity Pricing”: A Study in Maharashtra State	Mr. S. B. Warkad, Department of Electrical Engineering, VNIT, Nagpur	Awarded

- **(Ph.D. Student Guided)**

SN	Title of Project	Name of Research Scholar/Institution	Status
1	“Modelling Locational Marginal Based Transmission Pricing in a Restructured Electricity Market: A study in India”	Mr. V. G. Umale, Department of Electrical Engineering, PIGCE, Nagpur	Awarded (January 2020)
2	“Modelling of Voltage Security Assessment in a Restructured Electricity Market using Various Techniques” : An Exploratory study in India	Ms. Sonali Nandanwar, Department of Electrical Engineering, PCE, Nagpur	Awarded (June-2019)
3	Optimizing Performance of Switched Reluctance Motor for Electric Vehicle Application	Mr. D. A. Shahakar, P. R. Pote College of Engineering, Amravati	Awarded (2023)
4	Design and Development of IoT Based Monitoring System for Data Acquisition in MPPT System	Mr. A. A. Ghute, P. R. Pote College of Engineering, Amravati	Ongoing

- **(MTech. / M.E. Level)**

SN	Title of Project	Name of Projectee/Institution	Status
1	Transformer Protection using PLC	Mr. Satyam G. Shrirao, Final Year M.E. (Power System), P. R. Pote (Patil) College of Engg., Amravati	Awarded (2021)
2	Optimal Power Flow Analysis for Power System in Restructured Electricity market: A Comparative Study	Ms. Ravina Asole, Final Year M.E. (Power System), P. R. Pote (Patil) College of Engg., Amravati	Awarded (2021)
3	Power Quality Improvement of Microgrid System using Shunt Active Power Filter	Ms. Snehal Belsare, Final Year M.E. (Power System), P. R. Pote (Patil) College of Engg., Amravati	Awarded (2020)
4	Embedded Cost of Transmission Pricing in Restructured Electricity Market	Ms. Prachita Gedam, Final Year M.E. (Power System), P. R. Pote (Patil) College of Engg., Amravati	Awarded (2019)
5	Electricity Price Prediction using Artificial Neural Network	Mr. Sagar Sonkhaskar, Final Year M.E. (Power System), P. R. Pote (Patil) College of Engg., Amravati	Awarded (2019)
6	Optimization Technique For Congestion Management in Restructured Power Market	Ms. Surbhi Mehta, Final Year M.E. (Power System), P. R. Pote (Patil) College of Engg., Amravati	Awarded (2019)

7	Optimal Electricity Pricing in Restructured Electricity Market.	Ms. Snehal Sawnerkar, Final Year M.E. (Power System), P. R. Pote (Patil) College of Engg., Amravati	Awarded (2018)
8	Distribution Automation: Design and Implementation for Indian Power system	Ms. Rashmi Sonone, Final Year M.E. (Power System), P. R. Pote (Patil) College of Engg., Amravati	Awarded (2018)
9	Electricity Nodal Pricing and ABT in Electricity Deregulation	Ms. July Sukalkar, Final Year M.E. (Power System), P. R. Pote (Patil) College of Engg., Amravati	Awarded (2017)
10	Modeling and Simulation of Numerical Mho Relay for Distance Protection	Ms. Shradha Kohale, Final Year M.E. (Power System), P. R. Pote (Patil) College of Engg., Amravati	Awarded (2017)
11	Induction Motor Fault detection and analysis using Wavelet Transformation and Artificial Neural Networks	Mr. Umesh Hiwase, Final Year M.Tech. (I.D.C.), Priyadarshini College of Engineering, Nagpur	Awarded (2011)
12	Optimization of Variable Speed Induction Motor Drive Efficiency Using Artificial Intelligence Techniques	Ms. Tehmeena Naaz, Final Year M.Tech. (I.D.C.), Priyadarshini College of Engineering, Nagpur	Awarded (2009)
13	Fuzzy Logic Based Enhancement of Operational Availability of Makino A77 CNC Machine by Minimizing Breakdown to Improve Productivity: A Case Study of Mahindra & Mahindra Limited, Nagpur	Mr. Syed Naimmudin, Final Year M.Tech. (I.D.C.), Priyadarshini College of Engineering, Nagpur	Awarded (2009)
14	An Assessment of Techno-Commercial Performance of ABT (Availability Based Tariff) under Power System Restructuring: A case study in India	Mr. Avinash Gedam, M.E. (E.P.S.), Shri Sant Gajanan Maharaj College of Engg., Shegaon.	Awarded (2006)

#### GRANT RECEIVED-FUNDED PROJECT/CONSULTANCY/SEMINAR

S.N.	Title of Project	Agency	Duration	Nature of work	Amount Sanctioned (Rs.)
1	IOT Based Solar Power Monitoring System	Autosys Indore	Two years	System development	1,80000/-
2	Engaging Students and Quality Assurance in Higher Education	NAAC, Bangalore	One week (2022)	Conduction of National Seminar	30,000/-
2	Skill and Personality	AICTE, New Delhi	3 Years (2019-20)	Skill and Personality	11.71 Lakhs

	Development Programme Centre for SC/ST Students		to 2021-22)	Development of Students	
3	“Smart Powered Sensor Based Irrigation System” (Completed)	Innovation and Entrepreneurship Development Centre, New Delhi	One Year (2016-17)	Investigator	1 Lakh
4	“Fuzzy Logic Based Enhancement of Operational Availability of Makino A77 CNC Machine by Minimizing Breakdown to Improve Productivity	Mahindra & Mahindra Limited, Nagpur	One Year (2008-09)	Co-Investigator	-

#### PATENT/COPYRIGHTS SUBMITTED/PUBLISHED/GRANTED

1	“A Servo Amplifier Control Device”, <b>UK Design Patent Published and Granted</b> dated 12/12/2023. [Design Number 63303354]
2	“Device for Electricity Generation from Wastewater Treatment”, <b>UK Design Patent submitted</b> dated 7/11/2023. [Application No: 6324479]
3	“Three-Phase Frequency Adaptive Digital Phase Locked Loop for Power System Measurement, Control, and Protection”, <b>Patent submitted</b> to The Controller of Patents, Patent Office Government of India. Dated 25/11/2023. [Application No:202321080217]
4	“Process of Dual Access Control Mechanism to prevent EDoS Attacks in Clouds”, <b>Patent Published</b> dated 8/12/2023 (Application No: 202321074037) to The Controller of Patents, Patent Office Government of India.
5	“Energy Management Using Improved Measuring Structure and Substation Centralized Voltage Control”, <b>Patent Published</b> dated 6/10/2023 (Application No: 202341063309) to The Controller of Patents, Patent Office Government of India. (App. Number: E12/8790/2023/CHE).
6	“Authority Alert System for Identification of Unauthorized Movement in Security Zone”, <b>Patent Granted</b> by The Controller of Patents, Patent Office Government of India. Dated 23/08/2022 [Appl.No: 2788/MUM/2014] [Patent Grant No: 404269]
7	“A Power System Simulator for Computing Electrical Parameters, Prices and their Visualization”, <b>Patent Published</b> dated 11/08/2023, The Controller of Patents, Patent Office Br., Mumbai. (Application No.202221006511 A)
8	“An Optimal Angle Control Strategy for Switched Reluctance Motor Drive In EV Applications”, copyright by the Office of the Controller General of patents, Designs & Trademarks, Department of Promotion of Industry and Internal Trade, Ministry of Commerce & Industry, Government of India dated 18 <sup>th</sup> April 2022. [Awarded] [Registration No: L-114290/2022]
9	“Novel Methodology for Sterilization of Encrypted Images”, copyright to the Office of the Controller General of patents, Designs & Trademarks, Department of Promotion of Industry and Internal Trade, Ministry of Commerce & Industry, Government of India- Copyright [Awarded]. [Registration No: L-106388/2021]
10	“Design of Digital Notice Board”, copyright by the Office of the Controller General of patents, Designs & Trademarks, Department of Promotion of Industry

	and Internal Trade, Ministry of Commerce & Industry, Government of India. - Copyright <b>[Awarded]</b> . <b>[Registration No: L-123136/2023]</b>
11	“Novel Methodology for Sterilization of Decrypted Images”, copyright to the Office of the Controller General of patents, Designs & Trademarks, Department of Promotion of Industry and Internal Trade, Ministry of Commerce & Industry, Government of India- Copyright <b>[Awarded]</b> . <b>[Registration No: L-135453/2023]</b>
12	“Intelligent Energy Metering System”, <b>Patent published</b> to The Controller of Patents, Patent Office Br., Mumbai, in collaboration with Sant Gajanan Invention and Advanced Research Centre, SSGM College of Engineering, Shegaon <b>[Published]</b> .

### PRIMARY RESEARCH INTEREST

- Electricity sector reforms/Restructuring/Deregulation
- Electricity Transmission Pricing and Energy Management.
- Power system optimization, Operations and Analysis
- Artificial Intelligence techniques in Electric Power System and Machines

### PROFESSIONAL MEMBERSHIP

SN	Membership	Name of Organization/Society	Membership No.
1	Asso. Member	Institute of Electrical and Electronics Engineers (IEEE)	90645825
2	Member	Smart Grid Community, IEEE	90645825
3	Life Member	Indian Society for Technical Education (I.S.T.E.), New Delhi	LM-22510
4	Life Member	Institution of Engineers (India), Kolkata	M-137700-5
5	Member	The Institution of Engineering and Technology (IET), UK	PIEI00002
6	Senior Member	International Association of Educators and Researchers (IAER), UK	181049
7	Senior Member	The Asia Society of Researcher (ASR), Hong Kong	R218112203
8	Senior Member	International Association of Computer Science and Information Technology (IACSIT), Singapore	80344630
9	Member	International Association of Engineers (IAENG), Hong Kong	113869
10	Member	IAENG Society of Artificial Intelligence & Society of Electrical Engineering, Hong Kong	113869-A-2
11	Senior Member	Institute of Advanced Engineering and Science (IAES), Malaysia	92000002
12	Member	Engineering and Scientific Research (ESR Group) for Innovation Association	4572390
13	Asso. Member	The RED- Institute of Research Engineers & Doctors	AM10100052390
14	Fellow Life Member	International Society for Research & Development	F3140901127
15	Member	The International Association of Electrical, Electronics and Energy Engineering (IAEEEE), Hong Kong	71050206
16	Life Member	Indgiants Association of Educators & Professional Trainers – IAEPT	
17	Member	American Institute for Technology and	-



		Science Education (AITSE)	
18	Member	AIIM-The Global Community of Information Professionals, USA	-
19	Associate Member	International Society for Development and Sustainability (ISDS), Japan	-

## RECOGNITION

- Board of Studies (BoS) Member (Faculty), Electrical Engineering Board, Sant Gadge Baba Amravati University (SGBAU) 2022.
- Appointed as subject expert member by Sant Gadge Baba Amravati University, for PG Affiliation at Government College of Engineering, Amravati, dated 18/07/2023.
- Subject expert in the Board of Studies of Department of Electrical Engineering by Academic Council, Priyadarshini College of Engineering, Nagpur.
- Subject expert in the Board of Studies of Department of Electrical Engineering by Academic Council, Priyadarshini J. L. College of Engineering, Nagpur.
- Ph.D. Supervisor, Faculty of Engineering & Science, Sant Gadge Baba Amravati University, Amravati.
- External Academic Auditor, Tulsiramji Gaikwad Patil College of Engineering & Technology, Nagpur.
- External Examiner, Shri Satya Sai University of Technology & Medical Sciences, Sehore (M.P.)
- Approved Post Graduate Teacher in Electrical Engineering, Sant Gadge Baba Amravati University, Amravati.
- Member, The International Association of Electrical, Electronics and Energy Engineering (IAEEEE), Hong Kong.
- Ph.D. Supervisor, Faculty of Engineering & Technology, R. T. M., Nagpur University, Nagpur.
- P.G. Teacher, Recognized by Sant Gadge Baba Amravati University, Amravati.
- Member, Advisory Committee, R&D Cell, Department of Electrical Engineering, Priyadarshini Indira Gandhi College of Engineering, Nagpur.
- Member of Editorial Board, *American Journal of Electrical and Computer Engineering (AJECE)*, (ISSN 2640 – 0502), Science Publishing Group, New York, USA.
- Associate Editor, *International Journal of Power Electronics and Drives Systems (IJPEDS)*, (Scopus Indexed), (ISSN 2088 – 8694), (<https://ijpeds.iaescore.com/index.php/IJPEDS/about/editorialTeam>)
- Guest Editor, *Journal of the Gujarat Research Society* (ISSN: 0374-8588), 2019.
- Technical Review Committee, *IEEE International Conference on Circuits and Systems in Digital Enterprise Technology (ICCSDET-2018)*, 21-22 December 2018, SAINTGITS College of Engineering, Kerala.
- Technical Program Committee, *2<sup>nd</sup> IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE-2016)*, 23-25 December 2016, Jaipur.
- Member of Advisor / Editorial Board, *International Journal of Application or Innovation in Engineering & Management (IJAIEM)*, (ISSN 2319 – 4847).
- Advisory Board Member, *International Journal of Engineering & Management Research (IJEMR)*, (ISSN 2250 – 0758).
- Member of Editorial Board, *International Journal for Research Science (IJRS)*, (ISSN 1999 – 9999).
- Technical Program Committee, *2<sup>nd</sup> International Conference on Advances in Computing, Communication & Automation (ICACCA 2016)*, 30-1 October 2016, Bareilly (UP).

- Technical Program Committee, *2<sup>nd</sup> IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE-2016)*, 23-25 December 2016, Jaipur.
- Technical Program Committee, *International Conference on Advances in Computing, Communication & Automation (ICACCA 2016)*, 30-31 March 2016, Dehradun.
- Member in International Reviewer's Board Members of Journal of Electrical Systems (JES), Algeria (ISSN 1112-5209)
- Member, National Advisory Board, *International Conference on Advanced Research in Engineering and Technology*, (ICARET 2012), Vijayawada, AP, India.
- Associate Editor, *Journal of Electrical and Electronic Engineering (IJEEE)*, InterScience Open Access Journal, (ISSN: 2231-5284).
- Associate Editor, *Journal of Electronic and Electrical Engineering*, Bioinfo Publications, (ISSN: 0976-8106).
- Executive Editor, *International Journal of Neural Networks*, Bioinfo Publications, (ISSN: 2249-2763).
- Member-Editorial Board, *International Journal of Advances in Engineering & Technology (IJAET)*, (ISSN: 2231-1963)
- Member-Editorial Board, *International Journal of Recent Technology and Engineering (IJRTE)*, (ISSN: 2277 - 3878).
- Member-Editorial Board and Reviewer, *International Journal of Computer and Electrical Engineering (IJCEE)*, Published by International Association of Computer Science and Information Technology Press (IACSIT), Singapore, (ISSN: 1793-8198).
- Member-Editorial Board and Reviewer, *International Journal of Engineering Trends and Technology (IJETT)*, Seventh Sense Research Group, India, (ISSN: 2231-5381).
- Member-Editorial Board and Reviewer, *International Journal of Soft Computing and Engineering (IJSCE)*, India, (ISSN: 2231-2307).
- Member-Editorial Board, *International Journal of Innovative Science and Modern Engineering (IJISME)*, (ISSN: 2319-6386), India.
- Member-Editorial Board, *International Journal of Recent development in Engineering & Technology (IJRDET)*, (ISSN: 2347-6435), India.
- Member-Editorial Board, *International Research Network (IRNet) Undergraduate Academic Research Journal (URJA)*, India.
- Member Advisory Board, *International Journal of Engineering & Innovative Technology (IJEIT)*, UK, (ISSN: 2277-3754).
- Advisory Board member, *International Journal of Innovative Research in Engineering, Medical and Pharma science (IJIRMPS)*
- Advisory/Editorial Board member, *International Journal of Emerging Technology and Advanced Engineering (IJETAEE)*, (ISSN 2250-2459).
- Board Member, SSRG International Journal of Electrical and Electronics Engineering (SSRG-IJEEE) (ISSN: 2231-5381)
- Reviewer, *Advances in Science, Technology and Engineering Systems Journal (ASTESJ)* (ISSN: 2415-6698)
- Reviewer, *International Journal of Engineering & Technology (IJET)*, Scopus Indexed, Science Publishing Corporation (ISSN: 2227-534X).
- Section Editor and Reviewer, *International Journal of Electrical & Computer Engineering (IJECE)*, Institute of Advanced Engineering and Science publication, Malaysia, (ISSN: 2088-8708).
- Reviewer, *International Journal of Advanced Manufacturing Technology*, Springer Publications, (ISSN: 1433-3015).
- Reviewer, *International Journal of Engineering Intelligent Systems (IJEIS)*, UK.
- Reviewer, *International Journal of Computer Applications (IJCA)*, New York, USA, (ISSN: 0975-8887).



- Reviewer, *International Journal of Electrical, Electronics and Computer Systems* (IJEECS), (ISSN: 2221-7266).
- Reviewer, *International Journal of Electrical Power & Energy Systems* (IJEPES), Elsevier publications, (ISSN: 0142-0615).
- Reviewer, *Indonesian Journal of Electrical Engineering* (TELKOMNIKA), Ahmad Dahlan University, Indonesia, (ISSN: 1693-6930).
- Reviewer, *International Journal of Advancements in Technology*, (ISSN: 0976-4860).
- Reviewer, *International Journal of Environmental Science & Development* (IJESD), IACSIT publications, (ISSN: 2010-0264).
- Reviewer, *International Journal of Innovative Technology and Creative Engineering* (IJITCE), UK, (ISSN: 2045-8711).
- Reviewer, *International Journal of Computational Science and Engineering* (IJCSE), Inder Science Publications, UK, (ISSN: 1742-7193).
- Reviewer, *Journal of Advances in Electrical and Electronic Engineering* (AEEE), VSB – Technical University of Ostrava, Czech Republic, (ISSN: 1336-1376).
- Reviewer, *International Journal of Neural Networks*, EBSCO Publishing Inc, USA, (ISSN: 2249- 2771).
- Reviewer, *International Journal of Integrated Engineering*, (IJIE), (ISSN: 2229-838X).
- Reviewer, *International Journal of Computer Engineering and Computational Sciences*.
- Reviewer, *Scientific Journal Internationals* (SJI), State of Minnesota, (ISSN 1556-6757).
- Reviewer, *TransStellar Journal Publications and Research Consultancy* (TJPRC), India.
- Reviewer, *Advances in Electrical Engineering Systems* (AEES), World Science Publisher US.
- Reviewer, *International Journal of Artificial Intelligence and Expert Systems* (IJAIES), CSC Journals, Kuala Lumpur, Malaysia (ISSN: 2180-124X)
- Reviewer, *Journal of Clean Energy Technologies* (JO CET), IACSIT Press, Singapore (ISSN: 1793-821X)
- Reviewer, 2011 4<sup>th</sup> IEEE International Conference on *Computer Science and Information Technology* (IEEE ICCSIT 2011), Chengdu, China.
- Member, i-Explore International Research Journal Consortium (IIRJC)
- Reviewer, International Conference on *Environmental and Computer Science* series, Singapore.
- Technical Session Chair, International Conference on *Electrical and Electronics Engineering* (ICEEE)”, Inter Science Research Network, 4<sup>th</sup> Feb, 2012.
- Technical Committee member, International Conference on *Global Innovations in Technology and Sciences*, Kerala, 2013.

## PRIZES/AWARDS

- Received “**Union Ministry of Energy (now Ministry of Energy, Department of Power, Government of India) –Department of Power Prize**” for the paper entitled “Optimal Electricity Nodal Pricing in a Restructured Electricity Market” (published in the *Electrical Engineering Journal of IEI*, Vol. 91, June 2010 issue). The prize- Gold Medal and Certificate of merit is presented by The Institution of Engineers (India) in 26<sup>th</sup> Indian Engineering Congress at Bangalore on December 16, 2011.
- Received “**Best Academician of the Year Award** “in “**Research Excellence and Academic Awards**” (REAA-2018), Combined Society for Educational Research & Development, Dehradun, UK, India and Sponsored by N. L. Dalmia Institute of Management Studies, Mumbai on March 10, 2018.

- Received “Awards *for Excellence*” in editing book “**Recent Advances in Engineering, Science and Technology – Volume-I & II**”, by DnyanPath Publications, 2022.
- Received” **Academic Excellence Award**”, under *National Faculty Award 2023-24* from Novel Research Academy, Puducherry, India.
- Received” **Most Prominent Professor Award**”, under *Shikshak Utkrutshata Samman 2023* from Edumatrix Foundation Research & Academics, India.

## BOOK/CHAPTER/MONOGRAPH PUBLICATIONS

1. Published Book entitled “*Integration of AI for Modern Sustainable Power Systems*”, published by IGI Global. ISBN (\_\_\_\_\_)
2. Published Book entitled “*Recent Advances in Engineering, Science & Technology Vol-III*”, Dnyanpath Publication, (National Publication), ISBN No: 978-93-6039-435-6.
3. Published Book Chapter entitled “*Applications of Case Based Reasoning in Voltage Security Assessment of Power System*”, published by Dnyanpath Publication, (National Publication), ISBN No: 978-93-6039-435-6.
4. Published Book entitled “*High Voltage Engineering*”, published by Scientific International Publishing House (SIPH), ISBN: 978-93-5757-978-0.
5. Published Book entitled “*Assessment of Power Sector Reforms and Transmission pricing*”, published by LAP LAMBERT Academic Publishing GmbH & Co., Saarbrucken, Germany. ISBN (978-3-659-95066-7)
6. Published Book Chapter entitled “*Computation and Economics of Nodal Prices in a Restructured Electricity Market*”, published by Springer India Pvt. Ltd. ISBN (978-81-8489-988-7), 2011
7. Published Book entitled “*Recent Advances in Engineering, Science & Technology Vol-I*”, Dnyanpath Publication (National Publication), ISBN 13: 978-93-91331-40-5.
8. Published Book entitled “*Recent Advances in Engineering, Science & Technology Vol-II*”, Dnyanpath Publication (National Publication), ISBN 13: 978-93-91331-56-6
9. Published Book Chapter entitled” *Availability Based Tariff in Electricity Sector*”, Recent Advances in Engineering, Science & Technology Vol-II”, Dnyanpath Publication (National Publication), ISBN 13: 978-93-91331-56-6.
10. Published Book Chapter entitled” *A Genetic Algorithm Based Optimal Power Flow for HVAC-DC Power System*”, Recent Advances in Engineering, Science & Technology Vol-I”, Dnyanpath Publication (National Publication), ISBN 13: 978-93-91331-40-5.
11. Book Chapter entitled “Application of Probabilistic Fuzzy Decision Tree for Voltage Security Assessment Classification in Power System” (ID "E13S20G19P1G-IS), IIP Book Series "IIPV3EBS20\_G19 Futuristic Trends in Electrical Engineering" under Volume 3, 2023 (Accepted).
12. Book Chapter entitled “Artificial Intelligence in Designing Foundations for Civil Structures” (Submitted)

## RESEARCH/PROJECT PROPOSAL SUBMITTED

- Submitted MODROB proposal for Aspiring Institutions to AICTE In coordination with Department of Electrical Engineering, P. R. Pote (Patil) College of Engineering & Mgmt., Amravati, 2018. AQIS Application ID: 1-7117489174)
- Submitted MODROB proposal for Aspiring Institutions to AICTE In coordination with Department of Electrical Engineering, P. R. Pote (Patil) College of Engineering & Mgmt., Amravati, 2018. AQIS Application ID: 1-6333022791)

- Submitted Skill and Personality Development Programme Centre for SC/ST Students proposal to AICTE In coordination with Department of Electrical Engineering, P. R. Pote (Patil) College of Engineering & Mgmt., Amravati, 2018. AQIS Application ID: 1-1-4242828224)
- Submitted STTP proposal to AICTE on “Application of Computational Intelligence for Smart Electric Power Infrastructures.” In coordination with Department of Electrical Engineering, P. R. Pote (Patil) College of Engineering & Mgmt., Amravati, 2018. (AQIS Application ID: 1-4150411650)
- Submitted STTP proposal to AICTE on “Applications of Artificial Intelligence Techniques in Modern Power System and Electric Drives.” In coordination with Department of Electrical Engineering, P. R. Pote (Patil) College of Engineering & Mgmt., Amravati, 2017.
- Completed Research proposal to Innovative and *Entrepreneurship Development Centre* (IEDC), New Delhi on “Artificial Intelligence based Design and Implementation of Smart Plant Irrigation System”, P. R. Pote (Patil) College of Engineering & Mgmt., Amravati, 2017.
- Submitted Research proposal to Innovative and *Entrepreneurship Development Centre* (IEDC), New Delhi on “Design and Implementation of Smart Automatic Inspection System for quality control in batch production process using Image processing”, CDGI, Indore, 2014.
- Submitted Research Promotion Scheme (RPS) proposal to AICTE on “On-line Conditioning Monitoring of Electrical Drives used for Industry Applications”, in coordination with Department of Electrical Engineering, Priyadarshini College of Engineering, Nagpur, 2010.

## **COURSE WORK**

- Designed a course work for Doctorate (Ph.D.) programme entitled “Fuzzy logic, ANN and Genetic Algorithm Applications in Engineering”, in collaboration with Ph.D. Research Centre, Priyadarshini College of Engineering, Nagpur and R.T. M. Nagpur University, Nagpur.

## **NEW SYLLABUS & LABORATORY DESIGN**

- A new syllabus is designed and proposed for M.E. (Electrical Power System) subject titled “Electricity Transmission Management in Electricity Restructuring” Submitted to Sant Gadge Baba Amravati University, Amravati.
- A new Laboratory entitled “PLC and Automation Lab” is designed and is under implementation at Department of Electrical Engineering, P.R. Pote (Patil) College of Engineering & Mgmt., Amravati.

## **TRAINING COURSES FOR STUDENTS**

- Organized training course for Engineering faculty on “Hands-On Training on Raspberry Pi 3 & IoT”, Organized by Deptt., of Electrical & EXTC Engg., PRPCOEM, Amravati.
- Organized training courses for Electrical Engineering students in the areas of MATLAB, AUTOCAD, Industrial Automation (PLC/SCADA/HMI/Drives), Microcontroller and Embedded Applications, Electrical Panels and Transformer Design, House wiring, Motor Drives & Control, Robotics etc., PRPCOEM, Amravati.
- Organized Microsoft Eadvantage Training courses & certifications in the tracks *Cloud Computing, Big Data, Machine learning, Mobile Apps Development, Embedded System* etc. at CDGI, Indore.

## Ph.D. THESIS EVALUATED/VIVA-EXAMINATION CHAIRED

1. "Signal Processing Based Decision Making Algorithm for Health Monitoring of Three Phase Induction Motor" by Ms. A. S. Deshpande was submitted to S.G. B. Amravati University, Amravati for the award of degree of Ph.D in Electrical Engineering. Evaluated in September 2015.
2. "Mitigation of Harmonics Using Multilevel Inverter for AC Motor Drive" by Mr. Umesh Hiwase was submitted to RTM, Nagpur University, Nagpur for the award of degree of Ph.D in Electrical Engineering. Evaluated in June 2021.

## PUBLICATION/SUBMISSION (JOURNALS/ CONFERENCES)

### (A): INTERNATIONAL/NATIONAL JOURNALS

SN	Details of Publication
<b>A</b>	<b>Paper Published</b>
1	Dr. S. B. Warkad, "A Mathematical Model for Investigation of Dry band location on 22kV Bushing with and without RTV coating: Experimental Study", <i>MethodsX Journal</i> (ISSN: 2215-0161), Elsevier publications, ( <b>Science Direct</b> ) (Accepted)
2	Dr. S. B. Warkad, Subodh Hingne, Rohit Wankhade, Tejas Kitukale, Purvesh Patke, Krishna Raut, Kunal Dhage "Electrical Wiring Estimating and Costing", <i>International Journal of Advanced Research in Science, Communication and Technology (IJAR SCT)</i> , (E-ISSN 2581-9429), ( <b>UGC Approved</b> ) Volume 3, Issue 8, May 2023. DOI: 10.48175/IJAR SCT-10329, (Impact Factor: 7.304)
3	Dr. S. B. Warkad, Vedant Gadge, Vishal Dhanade , Kalyan Baddamwar, Vedant Gulhane, Yashwant Dalvi, Anup Sav "Solar Panel Automation Cleaning System", <i>International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)</i> , ( <b>UGC Approved</b> ), Volume 12, Issue 4, April 2023. DOI:10.15680/IJIRSET.2023.1204058
4	Dr. S. B. Warkad, D. A. Shahakar "An Optimal Angle Control Strategy for Switched Reluctance Motor Drive in EV Applications", <i>Journal of Control and Decision (JCD)</i> , (E-ISSN 2330-7714, P- ISSN 2330-7706), Taylor & Francis, ( <b>SCI indexed</b> ), 2022. <a href="https://doi.org/10.1080/23307706.2022.2150329">https://doi.org/10.1080/23307706.2022.2150329</a>
5	Dr. S. B. Warkad, Aditya S. Dadgal, Sumit K. Sande, Prajwal R. Ramekar, Vaishnavi Pihulkar "Digitalized Notice Board using RASP. PI and SELENIUM", <i>International Journal of Research and Analytical Reviews (IJRAR)</i> , (E-ISSN 2348-1269, P- ISSN 2349-5138), ( <b>UGC Approved</b> ) Volume:9 Issue: 2, Pages: 862-869, April 2022.
6	Dr. S. B. Warkad, Rushikesh Bangale, Pradumnya Gangane, Rushikesh Wankhede, Vaishnavi Mandwale "Design and Implementation of IOT based residual Current Circuit Breaker", <i>International Journal of Research and Analytical Reviews (IJRAR)</i> , (E-ISSN 2348-1269, P- ISSN 2349-5138), ( <b>UGC Approved</b> ) Volume:9 Issue: 2, Pages: 561-566, April 2022.
7	Deepak Shahakar, Dr. S. B. Warkad "Torque Ripple Minimization of SRM for Electric Vehicle Applications", <i>International Journal of Engineering and Advanced Technology (IJEAT)</i> , (ISSN: 2249-8958), Volume:11 Issue: 3, Pages: 40-45, February 2022.
8	Deepak Shahakar, Dr. S. B. Warkad "Efficiency Improvement of Switched Reluctance Motor for Electric Vehicle Applications", <i>Science, Technology and Development Journal</i> , (ISSN: 0950-0707), ( <b>UGC Approved</b> ), Volume:10 Issue: 9, Pages: 303-309, October 2021.
9	Satyam Shirrao, Dr. S. B. Warkad "Monitoring and Protection of Transformer Using PLC and SCADA", <i>Journal of Emerging Technologies and Innovative Research (JETIR)</i> , (ISSN: 2349-5162), ( <b>UGC Approved</b> ), Volume:8 Issue: 7, Pages:



	448-454, 2021. (Impact Factor: 7.95)
10	Satyam Shrirao, Dr. S. B. Warkad "A Literature Review of Transformer Protection by Using Different Protection Schemes", <i>International Research Journal of Engineering and Technology (IRJET)</i> , (ISSN: 2395-0056), <b>(UGC Approved)</b> Volume:8 Issue: 7, Pages: 3920-3924, 2021. (Impact Factor: 7.529)
11	Dr. S. B. Warkad, Devanshu Gayki, Nikita Mungane, Pallavi Manne, Moresh Sambare, Srushti Isokar, "IOT Based Smart Energy Meter for Domestic Use", <i>International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)</i> , (ISSN: 2319-8753), <b>(UGC Approved)</b> , Volume:10 Issue: 5, Pages: 4947-4952, 2021. (Impact Factor: 7.512)
12	Monali Mundane, Nayan Garade, Vaishnavi Pawar, Vaishnavi Shete, Ujwal Shende, Dr. S.B. Warkad, "Automation of E-Wheelchair for Physically Challenged People", <i>International Journal of Innovative Research in Technology (IJIRT)</i> , (ISSN: 2349-6002), <b>(UGC Approved)</b> , Volume 7, Issue:12, Pages: 607-613), 2021. (Impact Factor: 5.631)
13	Deepak Shahakar, Dr. S. B. Warkad "Optimum Design Approach of Switched Reluctance Motor for Electric Vehicle Applications", <i>Vidyabharati International Interdisciplinary Research Journal (VIIRJ)</i> , <b>(UGC Approved)</b> , (ISSN: 2319-4979), Volume:12 Issue: 1, Pages: 571-577, March 2021
14	Dr. S. B. Warkad, Ravina Asole, "Optimal Power Flow for Hybrid HVDC-AC Transmission System: A Genetic Algorithm Approach", <i>International Journal of Future Generation Communication and Networking (IJFGCN)</i> <b>(E-SCI indexed)</b> , (ISSN: 2233-7857), Volume:13 No: 3, Pages: 1-13, 2019.
15	Pradeep J Kotak, P. S. Verma, Atul D. Tekade, Dr. S. B. Warkad, "Mitigation of Inrush Current in Three Phase Power Transformer by Prefluxing Technique", <i>International Journal of Recent Technology and Engineering (IJRTE)</i> , <b>(Scopus Indexed)</b> , (ISSN: 2277-3878), Volume-8, Issue-38, Pages: 580 – 585, October 2019.
16	Atul D. Tekade, Dr. S. B. Warkad, P.S. Verma, Pradeep Kotak, "Induction Motor Faults Classification using Parks-Hilbert Transformations Approach and ANN Networks", <i>International Journal of Grid and Distributed Computing (IJGDC)</i> <b>(E-SCI indexed)</b> , (ISSN: 2005-4262), Volume:12 No: 2, Pages: 47-53, 2019.
17	Dr. S. B. Warkad, Virendra Umale, " Impact Assessment of Generation and Transmission Investment on Spot Prices in Electricity Markets: A Study of MSETCL, India", <i>International Journal of Grid and Distributed Computing (IJGDC)</i> <b>(E-SCI indexed)</b> , (ISSN: 2005-4262), Volume: 12 No: 3, Pages: 1-14, 2019.
18	Kunal A. Shambharkar, Chaitali S. Lipne, Pratiksha D. Deshmukh, Pratiksha P. Deshmukh, Dr. S. B. Warkad, "Design of Eco-Bin for Household", <i>International Journal of Research in Engineering Application &amp; Management (IJREAM)</i> <b>(UGC Approved)</b> , (ISSN: 2454-9150), Volume: 5 Issue: 1, Pages: 244-249, April 2019. (DOI : 10.18231/2454-9150.2019.0305)
19	Dr. S. B. Warkad, Sagar Sonkhaskar, "Spot Price Forecasting in a Restructured Electricity Market: An Artificial Neural Network Approach", <i>International Journal of Research in Engineering Application &amp; Management (IJREAM)</i> <b>(UGC Approved)</b> , (ISSN: 2454-9150), Volume: 7 Issue: 4, Pages: 279-286, April 2019.
20	Prachika B. Gedam, Dr. S. B. Warkad, "Embedded Transmission Cost Allocation Based On Relative Electrical Distance In Restructured Electricity Market", <i>International Journal of Innovations in Engineering and Science (IJIES)</i> , (ISSN: 2456-3463), Volume: 4 Issue: 7, Pages: 138-144, 2019.
21	Prachika B. Gedam, Dr. S. B. Warkad, "Optimal Allocation of Embedded Cost of Transmission Transaction in Practical Power System", <i>International Journal of Research in Engineering Application &amp; Management (IJREAM)</i> <b>(UGC Approved)</b> , (ISSN: 2454-9150), Volume: 4 Issue: 9, Pages: 102-108, December 2018. (DOI: 10.18231/2454-9150.2018.1164)
22	Sonali R. Nandanwar, Dr. S. B. Warkad, "Voltage Security Assessment by using PFDT, and CBR Methods in Emerging Power System", <b>ELSEVIER Energy</b>

	<b>Procedia (Science Direct)</b> (ISSN: 1876-6102), Volume 144, July 2018, Pages: 170-181. (DOI:10.1016/j.egypro.2018.06.023)
23	Virendra Umale, Dr. S. B. Warkad,. "Day Ahead Electricity Transmission Price Prediction using FFNN" <i>Journal of Advanced Research in Dynamical and Control Systems (ELSEVIER Scopus Indexed)</i> ISSN I943-023X , Volume 10, Issue-02-Special Issue, 2018, Pages: 1379-1385.
24	Virendra Umale, Dr. S. B. Warkad, "Power quality based optimal nodal pricing in restructured electricity market", <i>International Journal of Engineering &amp; Technology (IJET)</i> , ( <b>Scopus Indexed</b> ) (ISSN: 2227-524X), Science publishing Corporation, Volume: 7 No: 2.8, Pages. 692-696, March 2018. (DOI: 10.14419/ijet.v7i2.8.10560)
25	Virendra Umale, Dr. S. B. Warkad, "Optimal Nodal Pricing in Tradable Electricity Market", <i>International Journal of Pure and Applied Mathematics (IJPAM)</i> , ( <b>Scopus Indexed</b> ) (ISSN: 1314-3395), Volume: 118 No: 9, Pages. 303-311, February 2018.
26	Virendra Umale, Dr. S. B. Warkad, "Comparison of Locational Marginal Transmission Pricing", <i>International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET)</i> , (ISSN: 2395-1990), Volume: 3 Issue: 8, November-December 2017. DOI : 10.32628/IJSRSET1738186
27	Ms. Snehal N. Saonerkar, Dr. S. B. Warkad "Optimal Spot Pricing of Electricity in Restructured Electricity Market", <i>International Journal for Research in Applied Science &amp; Engineering Technology (IJRASET)</i> , ( <b>UGC approved Journal</b> ), Volume 5, Issue XII, December 2017.
28	Ms. Rashmi D. Sonone, Dr. S. B. Warkad "Design of Distribution Automation System with SCADA", <i>International Journal of Advanced Research in Science and Engineering (IJARSE)</i> , ( <b>UGC approved Journal</b> ), Volume 6, Issue 12, December 2017.
29	Ms. Snehal N. Saonerkar, Dr. S. B. Warkad "AC-DC Based Optimal Spot Pricing of Electricity in Restructured Electricity Market", <i>International Journal of Advanced Research in Science and Engineering (IJARSE)</i> , ( <b>UGC approved Journal</b> ), Volume 6, Issue 12, December 2017.
30	Ms. Rashmi D. Sonone, Dr. S. B. Warkad "A Review On Prototype design of Distribution Automation for 11kV/0.415kV Substation" <i>Journal of Network Communications and Emerging Technologies (JNCET)</i> , Volume 7, Issue 12, December 2017.
31	Juily N. Sukalkar, Dr. Sanjay Warkad, "Available Transfer Capability based Transmission Pricing Using Optimal Power Flow Approach in Deregulated Electricity Market", <i>International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE)</i> ( <b>UGC approved Journal</b> ), (ISSN: 2321-2004), Volume 5, Issue 7, July 2017.
32	Shraddha A. Kohale, Dr. S. B. Warkad, "Review of Modeling and Simulation of Numerical Mho Relay for Distance Protection", <i>Journal of Network Communications and Emerging Technologies (JNCET)</i> , (ISSN: 2395-5317), EverScience Publications, Volume 7, Issue 5, May 2017.
33	Manisha Waghmare, Dr. S. B. Warkad, "Review of Price Forecasting Techniques in Deregulated Electricity Market", <i>Imperial Journal of Interdisciplinary Research</i> , Vol-3 , Issue-1, 2017.
34	Sonali R. Nandanwar, Dr. S. B. Warkad, "Classification of VSA by Probabilistic Fuzzy Decision Tree Approach", <i>International Journal of Computer Technology and Applications (IJCTA)</i> , International Science Press (ISSN: 2229-6093), ( <b>SCOPUS Indexed</b> ) Volume-9, Issue 20, pp. 115-122, 2016.
35	Dinesh V. Malkhede, Dr. S. B. Warkad, "Control Technique of Single Stage Grid Connected PV System, <i>International Journal of Science Technology &amp; Engineering (IJSTE)</i> , ISSN No. (Online): 2349-784X, Volume 3, Issue 5, November 2016.
36	Virendra Umale, Dr. S. B. Warkad, "Location Marginal Based Transmission Pricing in Restructured Power System", <i>International Journal of Electrical, Electronics and Computer Engineering, and Computer Engineering (IJEECE)</i> ,



	(ISSN: 2277-2626), 5(1): 100-108 (2016).
37	Virendra Umale, Dr. S. B. Warkad, "Modelling of Locational Marginal Based Transmission Pricing in Restructured Power System", <i>International Journal of Innovative Studies in Science and Engineering (IJISSET)</i> , (ISSN: 2455-4863), Volume: 2 Issue: 7, July 2016.
38	Sonali R. Nandanwar, Dr. S. B. Warkad, "Voltage Security Assessment and Optimal Load Shedding using PFDT Approach", <i>International Journal of Electrical &amp; Electronic Research (CWATE)</i> , <i>Cyphonism World Academy of Technology and Engineering</i> , (ISSN: 2347-5684), (Impact Factor: 3.931), Volume-25, Article-7, January – 2016.
39	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Power Sector Restructuring and Sustainable Power Tariff Strategy: A Case study in India", <i>South Asian Journal of Management</i> , Volume 23, No.4, October 2016.
40	Sonali R. Nandanwar, Dr. S. B. Warkad, "Fuzzy Decision Tree for VSA Classification", <i>International Journal of Electrical &amp; Electronic Research (CWATE)</i> , <i>Cyphonism World Academy of Technology and Engineering</i> , (ISSN: 2347-5684), (Impact Factor: 3.931), Volume-24, Article-11, October - 2015.
41	Sonali R. Nandanwar, Dr. S. B. Warkad, "Different Voltage Security Assessment Methodology in a Restructured Electricity Market: A Review", <i>International Journal of Electrical &amp; Electronic Research (CWATE)</i> , <i>Cyphonism World Academy of Technology and Engineering</i> , (ISSN: 2347-5684), (Impact Factor: 3.931), Volume-21, Article-21, January – 2015.
42	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Day-Ahead AC-DC OPF Based Nodal Price Prediction by Artificial Neural Networks (ANNs) in a Restructured Electricity Market", <i>International Journal of Power and Energy Conversion (IJPEC)</i> , (ISSN: 1757-1154), InderScience Publications ( <b>SCOPUS Indexed</b> ), Volume 3, Issue 1/2, pp.54-76, 2012.
43	Dr. S. B. Warkad, U.E. Hiwase, "Fault Detection (Condition Monitoring) of Induction motor based on Wavelet Transform", <i>International Journal of Electrical and Electronics Engineering (IJEEE)</i> (ISSN: 2231 – 5284), IOAJ Publications, Volume-1, Issue-3, pp.97-100, June 2012.
44	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Electricity Nodal Price Prediction in a Day-Ahead Electricity Market", <i>Journal of Electrical Engineering (JEE)</i> , (ISSN: 1582-4594) University "POLITEHNICA" Timisoara, Romania, Volume-12, Edition-1, pp.111-118, 2012.
45	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Transmission Pricing Based on Optimal Embedded Costing Methodology in Restructured Electricity Market", <i>International Journal of Electronics &amp; Electrical Engineering (IJEEE)</i> (ISSN 0974-2042) Scientific Engineering Research Corporation, USA, Volume-16, No.1, pp.9-16, Winter Edition, 2011.
46	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Sustainable Electricity Sector Reforms: A Performance Appraisal of Indian Electricity Sector", <i>International Journal of Applied Engineering Research (IJAER)</i> , Research India Publications (Accepted)
47	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "A Genetic Algorithm Based Optimal Power Flow For Combined HVDC-AC Transmission System", <i>International Journal of Machine Intelligence and Applications</i> (ISSN: 0976-6227), Published by International Sciences Press, Volume 1, No. 2, pp.27-35, July-December 2010.
48	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "AC-DC OPF based Day-Ahead Electricity Nodal Price Prediction using an ANN", <i>International Journal of Computer Applications (IJCA)</i> , (ISSN: 0975-8887), published by Foundation of Computer Science, New York, USA, Volume 9, Number 10, pp. 28-34, November 2010.
49	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Optimal Electricity Nodal Pricing in a Restructured Electricity Market", <i>Journal of The Institution of</i>

	<i>Engineers (India)</i> , Volume 91, pp. 29-35, June 18, 2010.
50	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Economics of AC-DC OPF Based Nodal Prices for Restructured Electric Power System", <i>International Journal of Electrical and Power Engineering</i> , (ISSN: 1990-7958), Medwells Journals publications, Volume 3, No. 6, pp. 276-288, December, 2009. DOI=IJEPE.2009.276.288
51	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Optimal Electricity Transmission Pricing in a Restructured Electricity Market", <i>International Journal of Computer and Electrical Engineering (IJCEE)</i> (ISSN: 1793-8198), published by International Association of Computer Science and Information Technology Press (IACSIT), Singapore, Volume 1, No. 4, pp. 512-519, October 2009. DOI: 10.7763/IJCEE. 2009.V1.78
52	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "A Genetic Algorithm Approach for Solving AC-DC Optimal Power Flow Problem", <i>Journal of Theoretical and Applied Information Technology</i> , (ISSN 1992-8645), Volume 6, No. 1, pp. 27-39, July 2009.
53	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Optimal Electricity Nodal Price Behaviour: A Study in Indian Electricity Market", <i>Journal of Theoretical and Applied Information Technology</i> , (ISSN 1992-8645), Volume 5, No. 6, pp. 734-774, June 2009.
54	S. B. Warkad, S. Naimuddin, Dr. G. M. Dhole, "Enhancing the Operational Availability of CNC Machine Using Fuzzy Logic Controller", <i>Journal of Theoretical and Applied Information Technology</i> , (ISSN 1992-8645), Volume 6, No 2, pp. 145-154, August 2009.
55	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Impact of HVDC Transmission on Optimal Electricity Nodal Prices: A study in India", <i>International Journal of Engineering and Technology (India)</i> , (ISSN 0974-5246), Volume 2, No.1, pp. 29-43, March 2009.
56	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Incorporating DC Link in AC Optimal Power Flow and its impact on Electricity Nodal Prices", <i>International Journal of Electrical Energy Systems (IJEES)</i> (ISSN 0975-7147), International Sciences Press Publisher, India, Volume 1, No. 1, pp. 27-38, January-June 2009.
57	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Electricity Nodal Prices with Incorporating DC Link in AC OPF: A Case Study of Maharashtra State Electricity Transmission Company Limited (MSETCL), India", <i>Water and Energy Abstracts</i> (ISSN: 0021-1672/0974-4703), Volume-19, Issue-1, pp.46-51, (January-March) 2009.
58	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Transmission Tariff Under Open Access: A Case Study of 400kV Maharashtra State Electricity Transmission Company Limited", <i>Journal of The Institution of Engineers (India)</i> ; Vol. 89, pp. 31-37, Sept.19, 2008.
<b>B</b>	<b>Paper Under Review</b>
1	Virendra Umale, Dr. S. B. Warkad, "Locational Marginal Pricing with different techniques for Power System", Springer, <i>Journal of Electrical Engineering (SCI Indexed)</i>
2	Virendra Umale, Dr. S. B. Warkad, "FFNN Based Locational Marginal Price for Restructured Power System" <i>International Journal of Computer Applications in Engineering Sciences (IJCAES)</i> (SCI Indexed)
3	Sonali R. Nandanwar, Dr. S. B. Warkad, "Voltage Security Assessment by Various Methods in Restructured Power System", <i>Journal of Electrical System (SCOPUS Indexed)</i> ISSN: 1112-5209.

### (B): INTERNATIONAL CONFERENCES

SN	Details of Publication
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1	Dr. S. B. Warkad, "Assessing the Performance of Genetic Algorithm in Solving AC-DC Optimal Power Flow Problem", 14 <sup>th</sup> International & National Conferences and Workshops, Multicon-w-2023, Organized by Thakur College of Engineering & Technology, Mumbai, 25 February 2023.
2	Dr. S. B. Warkad, D. A. Shahakar, "Optimal Angle Control Strategy for Torque Ripple Minimization of Switched Reluctance Motor Drive", AICTE Sponsored <b>Springer International Conference</b> on "Recent Evolutions in Energy, Drives and e-Vehicles (REEDeV-2022), Organized by St. Vincent Pallotti College of Engineering & Technology, Nagpur, during 16 <sup>th</sup> -17 <sup>th</sup> September 2022.
3	Dr. S. B. Warkad, Ravina Asole, "Optimal Power Flow for Hybrid HVDC-AC Transmission System: A Genetic Algorithm Approach", Global Conference on Multidisciplinary Research (GCMR-2019), Organized by P. R. Pote (Patil) College of Engineering & Management, Amravati, during 7 <sup>th</sup> -8 <sup>th</sup> November 2019.
4	Pradeep J Kotak, P. S. Verma, Atul D. Tekade, Dr. S. B. Warkad, "Mitigation of Inrush Current in Three Phase Power Transformer by Prefluxing Technique", Global Conference on Multidisciplinary Research (GCMR-2019), Organized by P. R. Pote (Patil) College of Engineering & Management, Amravati, during 7 <sup>th</sup> -8 <sup>th</sup> November 2019.
5	Atul D. Tekade, Dr. S. B. Warkad, P.S. Verma, Pradeep Kotak, "Induction Motor Faults Classification using Parks-Hilbert Transformations Approach and ANN Networks", Global Conference on Multidisciplinary Research (GCMR-2019), Organized by P. R. Pote (Patil) College of Engineering & Management, Amravati, during 7 <sup>th</sup> -8 <sup>th</sup> November 2019.
6	Dr. S. B. Warkad, Virendra Umale, "Impact Assessment of Generation and Transmission Investment on Spot Prices in Electricity Markets: A Study of MSETCL, India", Global Conference on Multidisciplinary Research (GCMR-2019), Organized by P. R. Pote (Patil) College of Engineering & Management, Amravati, during 7 <sup>th</sup> -8 <sup>th</sup> November 2019.
7	Atul D. Tekade, Dr. S. B. Warkad, P.S. Verma, A. N. Kakde, "Parks-Hilbert Transforms Approach to classify Induction motor faults using different ANN networks", 4 <sup>th</sup> International Conference on Science, Agriculture and Technology (ICSTS-2019), Organized by East West Institute of Technology, Bengaluru, during 13 <sup>th</sup> - 15 <sup>th</sup> May 2019. (Accepted)
8	Dr. S. B. Warkad, Sagar Sonkhaskar, "Artificial Neural Network Based Forecasting Day ahead Optimal Spot Price in a Restructured Electricity Market", International Conference on Green Energy for Sustainable Development (ICGESD-19), Organized by Government Polytechnic, Nagpur, during 26 <sup>th</sup> - 27 <sup>th</sup> February 2019.
9	Prachika Gedam, Dr. S. B. Warkad, "Embedded Price of Transmission Transactions in Restructured Electricity Market", International Conference on Electrical, Communication, Electronics, Instrumentation and Computing (ICECEIC-2019), Organized by Sri C. S. Viswa Mahavidyalaya, sponsored by IEEE Madras, during 31 January 2019 (Accepted).
10	Dr. S. B. Warkad, Prachika Gedam, "Transmission Embedded Cost allocation Under Open Access in Restructured Electricity Market", International Conference on Sustainable Computing in Science, Technology and Management (SUSCOM-2019), (SSRN-Elsevier Digital Library) Organized by Amity University Rajasthan, Jaipur, during 26-28 February 2019.
11	Sonali Nandanwar, Dr. S. B. Warkad, "Optimum Placement of Phasor Measurement Units Using Data Mining Based Algorithm in VSA, 4 <sup>th</sup> International Symposium on Hydrogen Energy, Renewable Energy and materials, (HEREM-2018), Organized by International Symposium on Hydrogen Energy, Renewable Energy and Materials, Bangkok, during 13-14 June 2018.
12	Sonali Nandanwar, Dr. S. B. Warkad, "Voltage Security Assessment by Optimum Placement of Phasor Measurement Units Using Data Mining Based Algorithm", 2 <sup>nd</sup> International Conference on Smart Innovations in Communications and

	Computational Sciences, (ICSICCS-2018), published in <b>Scopus Indexed Springer Book Series</b> “ <i>Advances in Intelligent Systems and Computing</i> ” , Organized by Devi Ahilya Vishwavidyalaya, Indore, MP, India during 28-29 April 2018. (Accepted)
13	Virendra Umale, Dr. S. B. Warkad “Optimal Power Flow Based Locational Marginal Transmission Pricing”, <b>IEEE International Conference</b> on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC) Jan 2018, Tamil Naidu.
14	Virendra Umale, Dr. S. B. Warkad,“ Optimal Pricing of Electricity in Restructured Electricity Market”, International Conference on Recent Trends in Engineering & Sciences (AIP-ICRTES), Visakhapatnam, Andhra Pradesh, India, dated 10-11 February 2018, conference, <b>Scopus Elsevier indexed</b> , Publications (Accepted)
15	Virendra Umale, Dr. S. B. Warkad,“ Optimal Power Flow Based Locational Marginal Transmission Pricing”, 11 <sup>th</sup> International Conference on Advanced Computing & Communication Technologies, Panipat, Haryana dated 17-18 February 2018, sponsored by <b>Springer Publications</b> (Accepted)
16	Virendra Umale, Dr. S. B. Warkad,“ Locational Marginal Transmission Pricing For 765kV Transmission Line”, <b>IEEE International conference</b> on Circuit and System (ICCS2017), Thiruvananthapuram, Kerla, 20 & 21 Dec 2017.
17	Virendra Umale, Dr. S. B. Warkad,“ Locational Marginal Pricing based Financial Transmission Rights”, <b>IEEE International conference</b> on Circuit and System (ICCS2017), Thiruvananthapuram, Kerla, 20 & 21 Dec 2017.
18	Ms. Rashmi D. Sonone, Dr S. B. Warkad “ Design of Distribution Automation System with SCADA”9 <sup>th</sup> <i>International Conference on Recent Development in Engineering Science, Humanities and Management (9<sup>th</sup> ESHM-17)</i> , Pune, Dec 2017, ISBN-978-93-86171-88-7
19	Miss. Snehal N. Saonerkar, Dr. S. B. Warkad, “AC-DC Based Optimal Spot Pricing of Electricity in Restructured Electricity Market”, <i>10<sup>th</sup> International Conference on Recent Development in Engineering Science, Humanities and Management, The Indian Council of Social Science Research (ICSSR)</i> , Punjab University Campus, Chandigarh (India), December 2017, ISBN: 978-93-86171-89-4.
20	Virendra Umale, Dr. S. B. Warkad,“ Locational Marginal Transmission Pricing for 765KV Transmission Line”, <b>IEEE International conference</b> on Electrical Instrumentation and Communication Engineering(ICICICT) Tamil Nadu, 2017. <b>DOI:</b> 10.1109/ICCS1.2017.8325959.
21	Virendra Umale, Dr. S. B. Warkad,“ Modelling of Locational Marginal Pricing for transmission line”, <b>IEEE International conference</b> on Electrical Instrumentation and Communication Engineering(ICICICT) Tamil Nadu, 2017 (Accepted)
22	Virendra Umale, Dr. S. B. Warkad,“ Available Transfer Capability for Transmission Line”, International Conference on Emanations in modern engineering science and management (ICEMESM 17) Nagpur, March 2017
23	Sonali R. Nandanwar, Dr. S. B. Warkad, “Voltage security assessment with application of PMUs using decision tree”, 8 <sup>th</sup> International Conference on <i>Computational Intelligence and Communication Networks (CICN)</i> , <b>IEEE explore</b> , pp.-365-369, held on 23-25 December 2016, Dehradun.
24	S. R. Nandanwar and S. B. Warkad “Application of Case Based Reasoning in Voltage Security Assessment”, 2016 International Conference on Systems in Medicine and Biology (ICSMB)-2016, ( <b>Scopus Indexed</b> ), pp.78-82, DOI: 10.1109/ICSMB.2016.7915092, dated 4-7 Jan 2016, Kharagpur, India
25	Sonali R. Nandanwar, Dr. S. B. Warkad, “Optimal placement of PMUs in voltage security assessment using decision tree” in the Fourth International Conference on <i>Parallel, Distributed and Grid Computing (PDGC)</i> , <b>IEEE explore</b> , held on 22-24 December, 2016, Solan, Himachal Pradesh, India (Accepted)
26	Sonali R. Nandanwar, Dr. S. B. Warkad, “Application of Case Based Reasoning in voltage security assessment” in the Second International Conference on “ <i>Innovative Applications of Computational Intelligence on Power, Energy and</i>



	<i>Controls with their impact on Humanity (CIPECH-16)</i> ”, ( <b>Scopus Indexed</b> ), pp.-19-22, dated 18-19 November 2016, Ghaziabad, (UP), India
27	Sonali R. Nandanwar, Dr. S. B. Warkad, “Load Management for voltage security using Probabilistic Fuzzy Decision Tree method” in the <b>2016 IEEE International Conference on Information and Automation for Sustainability (ICIAFS) IEEE explore, (Scopus Indexed)</b> pp. 1-5, held on 16-19 December 2016 at Galle, Sri Lanka. (DOI: 10.1109/ICIAFS.2016.7946565)
28	Sonali R. Nandanwar, Dr. S. B. Warkad, “Different voltage Security assessment methodology in a restructured electricity market: A Review” in the International conference CIPECH-14, held on 28-29 November, 2014 at KIET, Ghaziabad
29	S.B.Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, “Day-Ahead Electricity Nodal Price Prediction using Artificial Neural Network”, 3 <sup>rd</sup> International Conference on <i>Computer and Electrical Engineering</i> , by IEEE, IACSIT, and Sichuan Institute of Electronics, and hosted by the University of Electronics Science & Tech., China, 2012 (Accepted).
30	S.B.Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, “Computation and Economics of Nodal Price in a Restructured Electricity Market”, International Conference on <i>Contours of Computing Technology, “ThinkQuest’2010”</i> , organized by BGIT, Mumbai, sponsored by <b>Springer publication</b> , IEEE Bombay section, Siemens and PCS, pp. 33-42, on 13-14 <sup>th</sup> March 2010 (DOI: 10.1007/978-81-8489-989-4_6).
31	S.B.Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, “Electricity Nodal Prices with incorporating DC Link in AC OPF: A Case Study of Maharashtra State Electricity Transmission Company Limited (MSETCL), India”, 7 <sup>th</sup> International R & D conference on “ <i>Development and Management of Water and Energy Resources</i> ”, Bhubaneswar, Orissa, jointly organized by <i>Central Board of Irrigation and Power</i> , New Delhi and Water Resources & Energy Departments of Govt. of Orissa, on 4 – 6 February 2009.
32	S.B.Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, K.A. Dongre, “Transmission Nodal Pricing under Electricity Sector Restructuring: A Study of Maharashtra State Electricity Transmission Company Limited, India”, International Conference on <i>Power Electronics Drives &amp; Power System</i> , by Department of Electronics and Electrical Engineering, Sona College of Technology, <b>sponsored by IEEE, Madras Section</b> , Proceedings- 38-43, 2008.
33	S.B.Warkad, T. M. Dhande, <i>MSEDCL</i> , and A. G. Patil, <i>MSETCL</i> , “An Assessment of Techno-Commercial Performance of Availability Based Tariff Under Power System Restructuring”, 6 <sup>th</sup> International R&D Conference on <i>Sustainable Development of Water and Energy Resources- Needs and Challenges</i> , organized by <i>Central Board of Irrigation and Power</i> , New Delhi and Govt. of UP, Lucknow, on 13-16 February 2007.
34	S.B.Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, “Transmission Tariff Methodology Under Power System Restructuring: A Study In India”, International Seminar on <i>Power Transmission Research Interests and Challenges</i> , organized by Central Power Research Institute (CPRI), Bangalore, sponsored by <i>Power Grid Corporation of India Limited (PGCIL)</i> , Ministry of Power, Government of India, 2005.
35	S.B.Warkad, S. Naimuddin, Dr. G. M. Dhole, “Fuzzy Knowledge Based Controller Methodology for CNC Machine”, International Conference in Mechanical and Electronics Engineering, (ICMEE), Sponsored by IACSIT and World Scientific Press, proceeding by ASME, <b>Thomson ISI and EI Compendex indexed</b> , Pp. 291-297, July 24-26, 2009.
36	S.B.Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, “Power Sector Reforms for Sustainable Development in Developing Economy: A Case Study in India”, International Conference on <i>Challenges and Strategies for Sustainable Energy, Efficiency and Environment</i> , U.P. Technical University, Lucknow (U.P.) 2006.

### **(C): NATIONAL CONFERENCES**

SN	Details of Publication
1	Dr. S. B. Warkad, Prachika Gedam “Embedded Transmission Cost Allocation Based on Relative Electrical Distance in Restructured Electricity Market”, National Conference on Recent Trends in Electrical Engineering, held on 15 <sup>th</sup> & 16 <sup>th</sup> March 2019, Organised by Priyadarshini College of Engineering in association with The Institution of Engineers (India), Nagpur.
2	Virendra Umale, Dr. S. B. Warkad, “Electricity Nodal Prices in Restructured Electricity Market”, National Conference on Clean Energy, Renewable Energy & Energy Conservation & Exhibition held on 5 <sup>th</sup> & 6 <sup>th</sup> March 2018, Organized by The Institution of Engineers (India), Nagpur.
3	Virendra Umale, Dr. S. B. Warkad, “Location Marginal Based Transmission Pricing in Restructured Power System”, National Conference, Organized by The Institution of Engineers (India), Nagpur. February 2016.
4	Swapnil P. Tulaskar, Dr. S. B. Warkad, “Classification of Power Quality Events In Power System Using ANN”, National Conference on Innovative Trends in Science and Engineering (NC-ITSE'16) ISSN: 2321-8169 Volume: 4 Issue: 7, 2016.
5	Dr. S. B. Warkad, Dr. G. M. Dhole, “Prediction of Day-Ahead Electricity Nodal Prices using Artificial Neural Network”, Competitive Electricity Markets & Regulatory Framework – Issues and Challenges, Central Power Research Institute (CPRI), Bangalore, during February 16-17, 2012. (Accepted)
6	S. B. Warkad, S. Naimuddin, Dr. G. M. Dhole, “An increase in operational availability of CNC machine using Fuzzy Logic Controller”, National Conference on <i>Networks and Information Technology</i> (NCACNIT), GJUST, Hisar, Haryana. 2011.
7	S. B. Warkad, K. A. Dongre, Dr. G. M. Dhole, “Power System Restructuring for Sustainable Development: Review and Strategic Perspective in India”, National Paper presentation on <i>Techno-Evaluation 2K9</i> at Department of Electrical Engineering, Amrutvahini College of Engineering, Sangmner during February, 2009.
8	S. B. Warkad, K. A. Dongre, Dr. G. M. Dhole, “Electricity Pricing under Transmission Open Access: A Case Study of 400KV Maharashtra State Electricity Transmission Company Limited (MSETCL)”, National Paper presentation on <i>Techno-Evaluation 2K9</i> at Department of Electrical Engineering, Amrutvahini College of Engineering, Sangmner during February, 2009.
9	S. B. Warkad, S. Naimuddin, Dr. G. M. Dhole, “Volt/Hz Control of an Induction Motor installed in Makino A77 CNC machine using fuzzy knowledge base controller”, National Conference on <i>Soft Computing and Artificial Intelligence</i> (NCSCAI '09), organized by the Dept. of Computer Sc. & Engg. & Information Technology at Lingaya’s Institute of Management & Technology, 15 –16 January 2009.
10	S. B. Warkad, Dr. M. K. Khedkar, K. A. Dongre, Dr. G. M. Dhole, “Effect of Transmission Investments on Nodal Prices under Electricity Sector Restructuring: A Study of Maharashtra State Electricity Transmission Company Limited (MSETCL), India”, National Conference (ORION -08) by Department of Electronics and Telecommunication Engineering, Pravara Rural Engineering College, Loni- 413736, Dist. Ahmednagar (MS), 29-30 <sup>th</sup> March, 2008.
11	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, “Electricity Spot Prices under Power Sector Restructuring: A Case study of Maharashtra State Electricity Transmission Company Limited (MSETCL)”, 23 <sup>rd</sup> National Convention of Electrical Engineers & National Seminar on <i>Challenges in Electricity Sector under Deregulated Environment</i> , by The Institution of Engineers (India), Pune, 23-24 November 2007.
12	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, “Embedded Optimal Transmission Use Pricing (Wheeling) Services: A Study of Maharashtra State



	Electricity Transmission Company Limited (MSETCL)", All India Seminar on <i>Generation Economics and Grid Security 'GridSafe' 2007</i> , by The Institution of Engineers (India), Nagpur Local Centre, India, 2007.
13	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Indian Power Sector Reforms for Sustainable Development: Framework for Regulation, Competition, and Market Development", <i>National Power System Conference (NPSC) 2006</i> , Department of Electrical Engineering, Indian Institute of Technology (IIT) Roorkee, December 2006.
14	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Indian Power Sector Reforms for Sustainable Development: Framework for Power System Automation", All India Seminar on <i>Advances in Industrial Automation</i> , by The Institution of Engineers (India), Angul Local Centre, Sponsored by NALCO, Angul, Orissa, India, 2006.
15	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Power Sector Reforms and Sustainable Power Tariff": An Assessment and Strategic Perspectives in India", National Conference on <i>Power Engineering Practices &amp; Energy Management (PEPEM'05)</i> , Thapar Institute of Engineering and Technology (TIET), Patiala (Punjab), by IEE, 2005.
16	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Power Sector Restructuring and Sustainable Power Tariff Strategy: A Case study in India", National conference on <i>Power Sector Management for Sustainable Development</i> , University of Hyderabad sponsored by APTRANSCO, Hyderabad, 2004.
17	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Analysis of Electricity Act, 2003: A review for easy implementation for power sector in India", National conference on <i>Power Sector Management for Sustainable Development</i> , University of Hyderabad sponsored by APTRANSCO, Hyderabad, 2004.
18	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Assessment of Power Sector Reforms in Developing Countries: A Case Study in India", National Conference on <i>Sustainable Power Tariff in Developing countries, Power-Quest'2004</i> , organized by The Institution of Engineers (India), Nagpur, 2004.
19	S. B. Warkad, Dr. M.K. Khedkar, Dr. G. M. Dhole, "Analysis of Wheeling Transaction Methodology in Electric Power System", National Conference on <i>Sustainable Power Tariff in Developing countries, Power-Quest'2004</i> , organized by The Institution of Engineers (India), Nagpur, 2004.
20	S. B. Warkad, Dr. V.K. Deshpande, "Science, Technology, Religion, and Spirituality: Friends or Foes", 7 <sup>th</sup> Annual Convention of Maharashtra-Goa section of ISTE on <i>Technical Education, Spirituality &amp; Humanity</i> , December 21-22, 2002.

### Conference/FDP/Workshop/STTP- Organized/Attended

SN	Conference/Seminar/FDP/Workshop/ Webinar Name/Theme	Venue	Date
1	Attended AICTE-ATAL sponsored One Week FDP on "Next-Generation Nano-Electronic Devices, Circuits and its Applications"	P. R. Pote (Patil) College of Engineering & Mgmt., Amravati	4-9 December, 2023
2	Attended One week FDP on "AI & Cloud: Workshop on responsive AI in the cloud: Leveraging Generative power in the Cloud" under Tech Saksham, In association with Microsoft, SAP and	Organized by Edunet Foundation (Online)	18-22 September, 2023

	AICTE.		
3	Attended webinar on “Intellectual Property Rights (IPR) - Patent & Designs process “, In association with Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur	Office of the Controller General of Patents, Design & Trademarks, Govt. of India (Online)	24 August, 2023
4	Attended ISTE Sponsored One-Week Short-Term Training Program on “Research Publications, Copyrights and Patents in Science & Technology”	P. R. Pote (Patil) College of Engineering, Amravati. (Online)	3-7 July 2023
5	Attended One-Week Short-Term Training Program on “Recent Trends in Smart Energy Market (AI/ML, Blockchain applications)”	Department of Electrical Engineering, NIT, Warangal in association with Center for Teaching Learning (CTL), NIT Warangal	3-7 July 2023
6	Attended One-Week IEEE Bombay Section Sponsored Capacity Building Program On “LabVIEW Programming & Hardware Interface”	Thakur College of Engineering & Technology, Mumbai	23 June to 1 July, 2023
7	Attended ISTE Sponsored One-Week Short-Term Training Program on “Emerging Technological Challenges in Electrical Vehicle”	P. R. Pote (Patil) College of Engineering, Amravati. (Online)	8-13 May 2023
8	Attended IEEE Bombay Section Sponsored One Week Faculty Development Program (Online Capacity Building Workshop) on “Blooming Research Areas Under IoT: A 360-Degree View”	Organized by Godavari College of Engineering, Jalgaon, in Collaboration with St. Francis Institute of Technology, Mumbai & M. H. Saboo Siddik College of Engg., Mumbai.	2-7 May 2023
9	Attended One-week short term course on “Higher Education: Vision & Mission-2030” Organized by UGC-HRDC, Sant Gadge Baba Amravati University, Amravati	Sant Gadge Baba Amravati University, Amravati	6-11 February 2023
10	Attended One Day Workshop on “Assessment and Accreditation Process of NAAC in Revised Accreditation Framework” Organized by IQAC and UGC-HRDC, Sant Gadge Baba Amravati University, Amravati	Sant Gadge Baba Amravati University, Amravati	30 December 2022
11	Attended One Week STTP (Online) on “Industry 4.0: Strategic & Technological Perspective for Indian Capital Good Industries” Sponsored by Ministry of Heavy Industries, Government of India in collaboration with Siemens Centre of Excellence	Vivesvaraya National Institute of Technology (VNIT), Nagpur	6-12 December 2022
12	Attended AICTE-ISTE sponsored One Week FDP (Online) on	Dr. Rajendra Gode Institute of Technology & Research,	14-18 November

	“Innovative and Creative Methods for Effective Teaching Learning Skills”	Amravati	2022
13	Attended One day program on “CBCS-NEP Executors’ Training Program” by Sant Gadge Baba Amravati University, Amravati	P. R. Pote (Patil) College of Engineering, Amravati.	17 September, 2022
14	Attended Innovation Ambassador (IA) Training ‘Foundation Level’ (30 Hours) online by Ministry of Education’s Innovation Cell & AICTE	MoE’s Innovation Cell & AICTE (Online)	13 August, 2022
15	Attended webinar on “Intellectual Property Rights (IPR) - Patent & Designs process “, In association with Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur	Office of the Controller General of Patents, Design & Trademarks, Govt. of India (Online)	30 June, 2022
16	Attended ISTE Sponsored One-Week Short-Term Training Program on “Multidisciplinary Applications of MATLAB in Engineering”	P. R. Pote (Patil) College of Engineering, Amravati. (Online)	24-29 June, 2022
17	Attended Two-Week Short-Term Training Program on “Optimization-Tools & Techniques for Solving Real world Problems in the field of Electrical Engineering” Sponsored by IEEE Bombay Section	P. R. Pote (Patil) College of Engineering, Amravati. (Online)	6-18 June, 2022
18	Attended One Week Faculty Development Program (Online) on “Augmented & Virtual Reality with Data Science” Sponsored by Pantech e Learning,	Department of Computer Science & Engineering, P. R. Pote (Patil) College of Engineering, Amravati	6-11 June, 2022
19	Attended Two Week ISTE Sponsored STTP (Online) on “Exploring Latest Trends in Big Data & Machine Learning”	Department of Computer Science & Engineering, P. R. Pote (Patil) College of Engineering, Amravati	23 May-02 June, 2022
20	Attended webinar on “Intellectual Property Rights (IPR) and IP Management for Startups “, under Kalam Program for IP Literacy and Awareness In association with IP Cell	P. R. Pote (Patil) College of Engineering, Amravati. (Online)	24 May, 2022
21	Organized and Attended One Week National Seminar on “Student Engagement and Quality Assurance in Higher Education” Sponsored By NAAC, Bangalore	P. R. Pote (Patil) College of Engineering, Amravati. (Online)	16-22 May, 2022
22	Attended 3 days National Level Workshop on “Innovative Technologies To Improve Quality of Teaching & Learning” Sponsored By NAAC, Bangalore	G, H, Raisoni Institute of Engineering & Technology, Nagpur. (Online)	4-6 April, 2022
23	Attended Webinar on “Charging Infrastructure and Challenges for	National Fire Services College, GoI, Nagpur in	10 March, 2022

	EV and ESS Charging”	association with Underwriters Laboratories Inc. (Online)	
24	Organized webinar on “Intellectual Property Rights (IPR) - Patent & Designs process “, In association with Rajiv Gandhi National Institute of Intellectual Property Management (NIIPM), Nagpur	Office of the Controller General of Patents, Design & Trademarks, Govt. of India (Online)	3 March, 2022
25	Attended webinar on “Intellectual Property Rights (IPR) - Patent & Designs process “, In association with Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur	Office of the Controller General of Patents, Design & Trademarks, Govt. of India (Online)	3 March, 2022
26	Attended one Week STTP (Online) on “Data Science: A Game Changer for Science and Innovation”	Amity University, Sponsored by IEEE Rajasthan section, Jaipur	31-4 February, 2022
27	Attended webinar on “Intellectual Property Rights (IPR) - Patent & Designs process “, In association with Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur	Office of the Controller General of Patents, Design & Trademarks, Govt. of India (Online)	16 February, 2022
28	Attended International Training Workshop on “Industry 4.0 and Energy Management”	Centre for Science & Technology of the Non-Aligned and other Developing countries (NAM S&T Centre), New Delhi and Society of Energy Engineers and Managers (SEEMO, Kerala	19-20 January, 2022
29	Attended AICTE-ATAL sponsored One Week FDP (Online) on “Data Science for Power Utility”	National Power System Training Institute, Power System Training Institute, Bangalore	6-12 December, 2021
30	Completed Certification course “2022 Complete Python Bootcamp from Zero to Hero in Python”	Online- Udemy	22 Hrs, 7 Dec. 2021
31	Attended AICTE-ATAL sponsored One Week FDP (Online) on “Artificial Intelligence using Python”	Government Polytechnic, Nagpur	15-19, November 2021
32	Attended Impact lecture on “Innovation and Entrepreneurship”	Organized by Institution’s Innovation Council (IIC) , Maharashtra Institute of Technology, Aurangabad	8 November, 2021
33	Attended AICTE-ATAL sponsored One Week FDP (Online) on “Electric Vehicle Engineering”	National Institute of Technical Teachers Training and Research, Chennai	25-29 Oct., 2021
34	Attended AICTE-ISTE sponsored One Week FDP (Online) on “Creative and Innovative Approaches in Teaching &	Dr. Rajendra Gode Institute of Technology & Research, Amravati	4-8 Oct., 2021

	Learning”		
35	One week FDP-SI UHV Online - “AICTE Incorporating Universal Human Values in Education (An AICTE Initiative)”	Online- AICTE	20-24 Sept., 2021
36	One Week FDP on "Restructured Power System: Operation and Planning"	RIT-IEEE Student Branch, RIT-CTL and IEEE Bombay Section.	23-28 Aug., 2021
37	One Week STTP on "Artificial Intelligence Techniques in Solar Energy Applications "	EE Dept, Suryodaya College of Engineering and Technology, Nagpur.	9-14 Aug., 2021
38	One Week AICTE-ATAL FDP (Online) on “Role of IPR in Innovation & Development”	Online Atal Innovation Mission and Entrepreneurship- Cell AUR, Amity Innovation Incubator, Jaipur	19-23 July, 2021
39	Attended One day online Webinar on “Shunt Active Filter using WAVECT”	Online webinar organized by Entuple Technologies (P) Ltd., Pune	14 <sup>th</sup> July, 2021
40	Attended One day online Webinar on “AICTE Quality Initiatives”	Online AICTE meeting	2 <sup>nd</sup> July, 2021
41	Attended One Week ISTE Sponsored STTP (Online) on “Cognitive Technical Skills for Modern Classroom Delivery”	Department of Applied Science & Humanity, P. R. Pote (Patil) College of Engineering, Amravati	21-26 June, 2021
42	Attended One Week AICTE-ATAL FDP (Online) on “Outcome Based Education and NBA Process”	Government Polytechnic, Tasgaon, Sangali	14-18 June, 2021
43	Attended Two Week STTP (Online) on “Cultivation of Engineering Tools Based on Competencies in Engineering Community”	IEEE Bombay Section & Department of Electrical Engineering, P. R. Pote (Patil) College of Engineering, Amravati	31 May-12 June, 2021
44	Attended One Week ISTE Sponsored STTP (Online) on “Unleashing Potential of Data Science”	Department of Computer Science & Engg., P. R. Pote (Patil) College of Engineering, Amravati	07-11 June, 2021
45	Attended Virtual Industrial Visit at Schneider Electric	IEEE-IAS-PES Joint Chapter G. H. Patel College of Engineering & Technology,	05 June, 2021
46	Attended One Week FDP (Online) on “Modern Tools for Electronic Circuit Design and Signal Processing Applications”	Department of Electronics & Telecommunication Engg., P. R. Pote (Patil) College of Engineering, Amravati	01-06 June, 2021
47	Attended One day Online Workshop on “OBE Concepts & Implementation and Digital Preparedness for NBA”	Internal Quality Assurance Cell (IQAC), Maharashtra Institute of Technology, Aurangabad	29 May, 2021
48	Attended One day Webinar on Orientation on “Fire Services and Electrical Safety”	Department of Electrical & Electronics Engineering, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada, Andhra Pradesh	9 May, 2021



49	Attended International Virtual Conference on Materials and Nanotechnology	Jointly organized by P. R. Pote (Patil) College of Engineering, Amravati and G. N. College of Science, Ballarpur	29-30, April, 2021
50	Organized Two Week (Online) ISTE New Delhi Sponsored STTP on "Pedagogy for Effective Use of ICT in Engineering Education"	P. R. Pote (Patil) College of Engineering, Amravati	26 April -7 May, 2021
51	Attended One Week AICTE -ISTE Refresher Program on "Smart Grid, Internet of Things and Green Energy Building"	Prestige Institute of Engineering Management & Research, Indore	16-22 March, 2021
52	Attended One Week AICTE Training and Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)".	Shri Ramdeobaba College of Engineering and Management, Nagpur	12-19 Dec. 2020
53	Attended One day Webinar on Electrical Power System, Renewable Energy, Smart Grid and Switchgear & Protection using NEPLAN Simulation software.	Online webinar organized by IndiaSoft Technologies (P) Ltd., Pune	20 Oct., 2020
54	Attended National level one day Awareness workshop on "Outcome Based Education and Accreditation for Engineering Colleges"	G. H. Raisoni Institute of Engineering & Technology, Nagpur	11 September, 2020
55	Organized One Week (Online) ISTE New Delhi Sponsored STTP on "Outcome Based Education and NBA Process"	P. R. Pote (Patil) College of Engineering, Amravati	08-12 June, 2020
56	Attended One Week FDP (Online) on "Advanced Research Methodology and Innovative Teaching Pedagogy"	Tulsiram Gaikwad Patil College of Engineering & Technology, Nagpur	08-13 June, 2020
57	Attended AICTE-ISTE sponsored One Week FDP (Online) on "Outcome Based Education and Accreditation"	Dr. Rajendra Gode Institute of Technology & Research, Amravati	26-30 May, 2020
58	Attended One day National Webinar on "Capacity Building on NBA Criterion 1 to 10"	STEMVOGAL Consultancy (OPC) Pvt. Ltd., & Aggrawal Educational Solutions	27 June, 2020
59	Attended Webinar on "Advances in Power System"	Jain Faculty of Engineering & Technology, Bengaluru	25 June, 2020
60	Attended Webinar on "Research Trends in Post-Covid World"	OPJU IEEE Tech Web Series, IEEE Bombay Section	08 June, 2020
61	Attended Webinar on "Orientation on Electrical Fire Safety"	Priyadarshini Indira Gandhi College of Engineering, Nagpur in collaboration with National Fire Service College, Nagpur	29 May, 2020
62	Attended Webinar on "Solar Design and Installation"	P. R. Pote (Patil) College of Engineering, Amravati in collaboration with AutoSys,	25 May, 2020



		Indore	
63	Attended Webinar on “Advanced Industrial Automation”	P. R. Pote (Patil) College of Engineering, Amravati in collaboration with AutoSys, Indore	26 May, 2020
64	Attended One Week FDP (Online) on “Electric Vehicle”	Jhulelal Institute of Technology, Nagpur-in association with CADD Center Training Services and Vishvakariya Automotive Pvt. Ltd. Nagpur	11-16 May, 2020
65	Attended One Week FDP (Online) on “New Challenges & Issue of Indian Electricity Market for Upcoming Decade-2030”	Sandip Institute of Technology & Research Centre, Nashik in collaboration with MSEDCL'S Institute of Training & Safety, Eklahare, Nashik	11-15 May, 2020
66	Attended Webinar on “Machine Learning: its Applications in Engineering”	Maulana Mukhtar Ahmad Nadvi Technical Campus, Malegaon in collaboration with ARIN International, Pune	12 May, 2020
67	Attended webinar on “Smart Management of Reactive Power and Energy for Saving Energy Costs”	JSPM's Rajarshi Shahu College of Engineering, Pune and IEEE PES-IAS Chapter, Pune	17 May, 2020
68	Attended webinar on “Basics of Indian Power Sector and Power Markets”	Shri Ramdeobaba Kamla Nehru College of Engineering, Nagpur	17 May, 2020
69	Attended One Week FDP (Online) on “Advanced Power Converter for Industrial Applications”	SSBT's College of Engineering & Technology, Jalgaon	28-2 May, 2020
70	Two Week FDP (Online) on “Research Opportunities in Electrical Engineering”	Government College of Engineering, Karad	07-16 May, 2020
71	Attended One day workshop on “Outcome Based AICTE Model Curriculum in B. E. Electrical Engineering”, Sponsored by SGBAU, Amravati	S. S. G. M. College of Engineering, Shegaon	11 <sup>th</sup> February 2020
72	Organized Global Conference on Multidisciplinary Research (GCMR-2019)	P. R. Pote (Patil) College of Engg., & Mgmt., Amravati	7 <sup>th</sup> -8 <sup>th</sup> November 2019
73	Attended Three days & Seven days FDP on “Student Induction-Universal Human Values Component for AICTE Approved Institutions: Sponsored by AICTE, New Delhi	G. H. Raisoni Academy of Engineering & Technology, Nagpur	09-11 July, 2019 & 22-28 July, 2019
74	Attended One day workshop on “Pedagogical Methodologies”	Dept. of Electrical Engg., Dr. Babasaheb Ambedkar College of Engineering &	30 March, 2019

		Research, Nagpur in Association with The Institution of Engineers (I), Nagpur Chapter	
75	Attended One day AICTE Workshop on "Examination Reforms"	College of Engineering (COEP) Pune	01 February, 2019
76	Organized AICTE-ISTE approved STTP on "Research Applications and Computational Intelligence Techniques in Electrical Engineering"	P. R. Pote (Patil) College of Engineering & Management, Amravati.	18-23 June, 2018
77	Attended Two-day workshop on "Introduction and Hands-On Training on Raspberry Pi 3 & IoT".	P. R. Pote (Patil) College of Engg., & Mgmt., Amravati	8-9 November, 2017
78	Attended Two-week ISTE sponsored orientation workshop on "Outcome Based Accreditation in Engineering Education"	Anjuman College of Engg. & Technology, Nagpur	17-28 April, 2017
79	Attended One day workshop on "SGBAU's new Ph.D. Ordinance & Research Awareness".	SGBAU, Amravati University, Amravati	Dec. 27, 2016
80	Organized Two Week FDP on "Outcome Based Engineering Education"	P. R. Pote (Patil) College of Engineering & Mgmt., Amravati	Dec. 9-19, 2016
81	Attended One day Faculty Training and Orientation Program on Virtual Labs	Priyadarshini Institute of Engineering & Technology	Dec. 24, 2016
82	Attended Two-day workshop on Outcome Based Accreditation and NBA Processes	Tulsiramji Gaikwad-Patil College of Engg., & Tech., Nagpur	Dec. 10-11, 2016
83	Attended 7 days SETU workshop under ISTE Faculty Chapter	P.R. Pote (Patil) College of Engineering & Mgmt., Amravati	June 8- 15, 2016
84	Attended 7 days Training Program on "MCS 51 family microcontroller, Arduino and Embedded C Application" by MBD ElectroSoft Pvt. Ltd., Amravati.	P.R. Pote (Patil) College of Engineering & Mgmt., Amravati	Jan. 11- 17, 2016
85	Attended 13 days Training Program on "Industrial Automation (PLC/SCADA/VFD/HMI)" by AutoSys, Indore	P.R. Pote (Patil) College of Engineering & Mgmt., Amravati	Jan. 4- 15, 2016
86	Attended 2 days IEDC sponsored FDP on "Trends & Challenges in Engineering Education" by P.R. Pote (Patil) College of Engineering & Mgmt., Amravati.	P.R. Pote (Patil) College of Engineering & Mgmt., Amravati	Dec. 28-30, 2015
87	Attended Two-week ISTE Workshop on "Control Systems", under the NMEICT, MHRD, New Delhi, Organized by IIT, Khargpur	Chameli Devi group of Institutions, Indore, M.P.	Jan. 2-12, 2015
88	Attended Two-Week Training Program on "AutoCAD Electrical" by Autodesk Advanced Training	Chameli Devi group of Institutions, Indore, M.P.	October- 5-15, 2014

	Institute, AUTODESK, USA		
89	Organized 15 days Training Program for Engg Students on "AutoCAD Electrical" by Autodesk Advanced Training Institute, AUTODESK, USA	Chameli Devi group of Institutions, Indore, M.P.	October- 5-15, 2014
90	Attended Two-week ISTE Workshop on "Signals and Systems", under the NMEICT, MHRD, New Delhi, Organized by IIT, Khargpur	Chameli Devi group of Institutions, Indore, M.P.	Jan. 2.-12, 2014
91	Organized two days workshop on <i>Embedded Technology</i> for M.Tech. students in coordination with ilabs Research Lab, Nagpur	Department of Electrical Engineering, PCE, Nagpur	22 <sup>nd</sup> Sept. 2011
92	Organized AICTE-ISTE Sponsored Short Term Training Programme on <i>Power Quality</i> .	Electrical Engineering SSGM, College of Engg., Shegaon.	Dec. 11-15, 2006
93	Organized AICTE-ISTE Sponsored Short Term Training Programme on <i>Trends in distribution system performance improvement</i> .	Electrical Engineering SSGM, College of Engg., Shegaon.	Dec. 6-11, 2004
94	Organized 7 <sup>th</sup> Annual convention of ISTE –Maharashtra-Goa chapter	SSGM, College of Engg., Shegaon.	Feb. 5-6, 2002
95	Attended one day Workshop on <i>Curriculum Development in Electrical Engineering</i> .	Department of Electrical Engineering RKNEC, Nagpur	6 <sup>th</sup> April, 2009
96	Attended one day Colloquium on <i>Modeling &amp; Simulation of Research Outcome Relevant to Entrepreneurship Development using A.I. Techniques</i> .	R&D and EDP Cell, Priyadarshini College of Engineering, Nagpur	Feb. 28, 2008
97	Attended training on <i>SAP Overview &amp; Awareness, ASAP Methodology and Finance Module</i> .	SSGMCE and SYSTIME Computer Systems Ltd, Mumbai	July 17-21, 2006
98	Attended three-days Workshop on <i>IEGC, FGMO, and Open Access in System Operation, ABT and System Security in Electric Power System</i> .	National Power Training Institute (NPTI), Power System Training Institute (PSTI), Bangalore	April 26-28, 2006
99	Attended Faculty Development Program on <i>Teaching of Marketing for Tomorrow</i> .	IMSCDR Campus, Ahmednagar	Feb. 2-3, 2002
100	Attended National Workshop on <i>MATLAB for Engineering Applications</i>	SSGM, College of Engg., Shegaon.	Feb. 23-24, 2002
101	Attended exploratory Seminar on <i>Accreditation and Autonomy: Purpose, Process &amp; Prospects</i> .	SSGM, College of Engg., Shegaon.	Nov. 11-12, 2000
102	Attended three-week Induction Training Program for the Teachers of Management Institutes, organized by Academic Staff College, sponsored by the AICTE, New Delhi.	Aligarh Muslim University, Dept., of Business administration	May 11-30, 1998
103	Attended seminar on <i>Industry-</i>	Amravati University,	Dec.

	<i>Institute Interaction</i> , organized by Amravati University and Vidharbha Industries Association, Nagpur.	Amravati	15,1997
104	Attended seminar on <i>Nurture Spiritual Culture and Excel in Working Life</i> , organized by Indian Cultural Management Institute, Nagpur.	Institute of Engineers (I), Nagpur	June 28,1997
105	Attended National Level Training Program on “EPIC ISO 9000”.	St. Xavier Technical Institute, Mumbai	Feb. 12, 1996
106	Attended Three Week Induction Training Program for the Engineering Teachers, organized by the Academic Staff College & AICTE, New Delhi.	Academic Staff College, REC & Kurukshetra University	June 17-July 5,1996

### Administrative, Academic and Professional Experience

SN	Organization	Year	Duration	Designation/ Deptt.	Nature of Duties/ Responsibilities
1	P.R. Pote (Patil) College of Engineering & Mgmt., Amravati	2016	2 Yrs.	R&D Coordinator	Development of R&D center, Projects and patent development
2		2016	Till date	NBA Coordinator	Guiding and monitoring Accreditation work at department
3		2015	Till date	Professor	Academic & Research
4		2015	Till date	Dean (Quality Assurance)	Monitoring Quality Aspects in Engg., Education
5	Chameli Devi Group of Institutions, Indore	2014	2016	Coordinator	Research & Development Cell
6		2014	2016	Coordinator	Microsoft Ed-vantage Training Programs
7		2013	2016	Chief Project Coordinator	Central Project Coordinator
8		2013	2016	Microsoft Ed-vantage Coordinator	Training Program Coordinator
9		2013	2015	Head of Department	Academic & Research
10	Priyadarshini College of Engineering, Nagpur	2013	2 Yrs.	Coordinator	Ph.D. Centre- Deptt. of Electrical Engineering
11		2012	2 Yrs.	Coordinator	AICTE Portal work
12		2012	2 Yrs.	Incharge	Career Guidance Cell
13	Deptt. of Electrical Engg., YCCE, Nagpur	2012	2 Days	External Examiner	4 <sup>th</sup> Semester M.Tech. Dissertation Viva-voce.
14		2012	1 Day	External Examiner	4 <sup>th</sup> Semester M.Tech. Dissertation Viva-voce.

15	Priyadarshini College of Engineering, Nagpur	2011	2 Months	Officer Incharge	University Exam, Winter'2011; R.T.M. Nagpur University
16		2011	1 Yr.	Coordinator	M.Tech. Electrical (Industrial Drives & Control)
17	Indian Institute of Industrial Engineering (IIIE) Graduateship Examination, Navi Mumbai	2010	2013	Chief Examination Superintendent	Exam Incharge at Priyadarshini College of Engineering, Centre
18	SSGM College of Engineering, Shegaon	2010	4 Months	Member, EE Deptt.	TEQIP-Phase-II Executive Committee
19	Disha Institute of Management & Technology	2009	2 Months	Staff Advisor	IEI, ISTE, IEEE, IETE Student Chapter
20	RGCOE, Chandrapur	2009	1 Day	External Examiner	M.Tech. Dissertation Thesis Viva-voce.
21	Anjuman College of Engineering & Technology & RTM NGP Univ.	2009	1 Day	Expert in Selection committee	Expert, Selection committee for the post of Assistant Professor.
22	Priyadarshini College of Engg., Nagpur	2009	1 Yr.	Member	Industrial Skill Development Programmes (ISDP)
23		2009	1 Yr.	Coordinator	Industrial Skill Enhancement Cell
24		2009	1 Yr.	Coordinator	M.Tech. Electrical (Industrial Drives & Control) Programme
25		2008	2 months	Member	University Exam, Winter'2008; R.T.M. Nagpur University
26	ASAP, GMS-SSGMCE, Shegaon	2006	2 Yrs.	Core Member (FI/CO)	Patni Computers, Mumbai.
27	TEQIP-World Bank	2003	5 Yrs.	Member	Technical Education Quality Assurance Cell
28	SSGMCE, Shegaon	2001	6 Yrs.	Coordinator	Assoc. of Mgmt. Studies
29	S. S. G. M College of Engineering, Shegaon	2003	5 Yrs.	Departmental Coordinator	Training & Placement Activities
30	DTE- Mumbai	2004	2 Days	Observer	MBA-CET Examination
31	S. S. G. M College of Engineering, Shegaon	2002	2 Yrs.	Office-In Charge	University Exam, Amravati University
32		2002	6 Yrs.	Coordinator-IIPC Cell	Industry – Institute Interaction Program
33		2000	8 Yrs.	Member	Student Consumer Co-operative society
34	ISTE Chapter, SSGMCE, Shegaon	1998	12 Yrs.	Member	Work of ISTE Chapter



## **EXPERT/GUEST LECTURES**

1. Delivered Expert talk on “Role of IQAC in documentation and uploading processes for NAAC Second Cycle in One day workshop organised by Guru Nanak Institute of Engineering & Technology, Nagpur on dated 30<sup>th</sup> October 2023.
2. Invited Expert for NAAC Assessment Mock visit at Swaminarayan Siddhanta Institute of Technology, Nagpur on dated 01<sup>st</sup> October 2023.
3. Delivered Expert talk on “NAAC Registration process, SSR and Quality Indicators, DVV process” in the One Day Workshop on “NAAC Accreditation Process” at Government College of Engineering, Chandrapur on dated 03/08/2023.
4. Delivered Expert talk on “NAAC Accreditation Process and documentation” at Jawaharlal Darda Institute of Engineering & Technology, Yavatmal on dated 20/07/2023.
5. Delivered Guest Lecture on “NAAC Accreditation Process and documentation” at P. R. Pote (Patil) College of Pharmacy, Amravati on dated 01/06/2023.
6. Delivered Expert lecture on “Defining Problem Statement in Research” in ISTE sponsored one-week STTP on “Research Methodology and Use of ICT Tools”, Organized By R&D Cell, P. R. Pote (Patil) College of Engineering & Management, Amravati on dated 22/02/2023.
7. Delivered Expert lecture on “Assessment & Accreditation Methodology in Revised Accreditation Framework”, in One Week National Seminar on “Student Engagement and Quality Assurance in Higher Education” Sponsored By NAAC, Bangalore on dated 20<sup>th</sup> May 2022.
8. Delivered Guest Lecture on “Electricity Deregulation-Challenges to Young Engineers”, organized by IEEE Student Branch Panimalar Institute of Technology, Chennai, on dated 13<sup>th</sup> June 2021.
9. Delivered Guest Lecture on “Future of Engineering Education”, in Two Week (Online) ISTE New Delhi Sponsored STTP on “Pedagogy for Effective Use of ICT in Engineering Education”, organized by P. R. Pote (Patil) College of Engineering & Management, Amravati on dated 6<sup>th</sup> May 2021.
10. Invited Expert for NAAC Reassessment Mock visit at Tulsiramji Gaikwad Patil College of Engineering & Technology, Nagpur on dated 23<sup>rd</sup> January 2021.
11. Delivered Guest Lecture on “Course Outcomes and Program Outcomes”, One-week online FDP on “Outcome Based Education and Accreditation”, organized by Department of Mechanical Engineering, Dr. Rajendra Gode Institute of Technology & Research, Amravati, on dated 29<sup>th</sup> May 2020.
12. Delivered Guest Lecture on “Pricing Electricity under Deregulation”, One-week online FDP on “Recent Trends in Electrical Engineering”, organized by Department of Electrical Engineering, Priyadarshini College of Engineering, Nagpur on dated 19<sup>th</sup> May 2020.
13. Delivered Guest Lecture on “Electricity Deregulation: Challenges to the Young Engineers” to the Electrical Engineering students at Priyadarshini Indira Gandhi College of Engineering, Nagpur on 24<sup>th</sup> July 2019.
14. Delivered Guest lecture on “Fuzzy Logic & ANN-Applications in Power System”, at AICTE-ISTE approved STTP on “Research Applications and Computational Intelligence Techniques in Electrical Engineering, Organised by P. R. Pote (Patil) College of Engineering & Management, Amravati on dated 20<sup>th</sup> June 2018.
15. Delivered keynote address and guest lecture on “Electricity Markets: Prospects & Challenges, at the National Conference on “Recent Technologies in Power Systems”, organized by *S. N. D. College of Engineering & Research Center, Yeola*, and Sponsored by *University of Pune* on 24<sup>th</sup> March 2018.



16. Delivered Guest Lecture on “Transmission Applications of Artificial Intelligence Techniques in Electrical Power System” to the Electrical Engineering students at Priyadarshini Indira Gandhi College of Engineering, Nagpur on 27<sup>th</sup> November 2018.
17. Delivered Guest Lecture on “Power market Regulation” to the Post Graduate Diploma Engineers Course on “Operation & Maintenance of Transmission & Distribution Systems” at National Power Training Institute (NPTI), Nagpur on 22<sup>nd</sup> January 2018.
18. Delivered Guest Lecture on “Transmission Management in Restructured Electricity Markets” to the Electrical Engineering students at Priyadarshini Indira Gandhi College of Engineering, Nagpur on 27<sup>th</sup> February 2017.
19. Invited talk on “How to Write Research/Project Proposal”, in 2 days IEDC sponsored FDP on “Trends & Challenges in Engineering Education” by P.R. Pote (Patil) College of Engineering & Mgmt., Amravati on 28<sup>th</sup> December 2015.
20. Session Chair for “SPANDAN-2013- the National Conference on Advances in Engineering, Technology and Applied Sciences”, organized by Yashwantrao Chavan College of Engineering, Nagpur on 15<sup>th</sup> March 2013.
21. Session Chair, “RARE-2013- National Conference on “Recent Advances in Electrical Engineering”, by Bapurao Deshmukh College of Engineering, Sewagram on 9<sup>th</sup> March 2013.
22. Delivered keynote address and guest lecture on “Power system Deregulation- Challenges for Young Engineers”, at the National Conference on Recent Advances in Electrical Engineering”, organized by Bapurao Deshmukh College of Engineering, Sewagram on 9<sup>th</sup> March 2013.
23. Technical Judge for “Innovation-2012 the Science Exhibition” in ASCEND-PPN Rising-2012 organized by Priyadarshini Polytechnic, Nagpur on 31<sup>st</sup> January 2012.
24. Delivered Guest lecture on “Power System Deregulation” for M.E. students at SSGM. College of Engineering, Shegaon.
31. Delivered Guest lecture on “Power Sector Reforms in India” in 2004-2007 to M.E. level at SSGMCE, Shegaon.
33. Delivered Guest lecture on “Energy Management” in 2007, SSGM. College of Engineering, Shegaon.
35. Lecture as a resource faculty on “Electricity Act, 2003: Analysis of impact assessment and implementation strategy for Power Sector in India”, in AICTE-ISTE Sponsored Short Term Training Programme (STTP) on the theme “Trends in Distribution system performance improvement” organized by EE Department, SSGM College of Engineering, Shegaon.
36. Delivered Guest lecture as a resource faculty on “Power Sector Reforms and Sustainable Power Tariff: An Assessment and Strategic Perspectives in India”, in AICTE-ISTE Sponsored Short Term Training Programme (STTP) on the theme “trends in distribution system performance improvement” organized by EE Department, SSGM. College of Engineering, Shegaon.
38. Delivered Guest lecture on on topic “Power System Deregulation: Issues and Challenges to Young Power Engineers” on 29<sup>th</sup> August 2008, at Yashwantrao Chavan College of Engineering, Nagpur.
39. Delivered Guest lecture on on the topic “Electricity Transmission Pricing under Power System Deregulation”, in AICTE Approved Staff Development Program (SDP) on the theme “Advances in Power System, Drives and Control” organized by Electrical Engineering Department, Priyadarshini College of Engineering, Nagpur, 2008.

## **EXTRA CURRICULAR ACTIVITIES**

- Participated in 9<sup>th</sup> International Yoga Day held on 21<sup>st</sup> June 2023 organised by P. R. Pote Patil Educational Group, Amravati.

- Participated in Youth Convention on “Atmavikas”, held on 22<sup>nd</sup> December 2016, organized by Ramakrishna Math, Nagpur
- Software proficiency: MATLAB, AUTOCAD, SPSS, MS-OFFICE, ASAP (R/3) –FI/CO.
- Organized *Parishkriti’ - An Advertising Designing Contest* for the Management Students within the state of Maharashtra, held at *DBAR, SSGM, College of Engg., Shegaon.*
- Participated in a Diploma Course in YOGA in association with *Vishwa Ananda Yoga Sansthan Varanasi (U.P.)* and *SSGM, College of Engg., Shegaon.*
- Participated in Thirtieth Annual All India Youth Training Camp, organized by *Akhil Bharat Vivekananda Yuva Mahamandal, Calcutta.*
- Staff Incharge, Debate competition, *SSGM, College of Engg., Shegaon,* during year 2001-2002.
- Staff Incharge of Technical/Business Quiz Competition, Business Plan and Case Study, *SSGM, College of Engg., Shegaon,* during year 1998-2007.
- Incharge, Association of Management Studies, *SSGM, College of Engg., Shegaon,* 2001-2007.

The above information is true to the best of my knowledge and belief.

**Date:**

**(Dr. Sanjay B. Warkad)**