

PROFILE

Dr. NANDKISHOR W. KINHEKAR

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PROFESSIONAL QUALIFICATION

Sr. No.	Degree	Program/Specialisation	University	Year of Passing
1.	B.E.	Electrical Engineering	VRCE Nagpur	1998
2.	M. Tech.	Power Electronics and Power System (PEPS)	Indian Institute of Technology Bombay, Mumbai (IIT Mumbai)	2007
3.	Ph.D.	Electrical Engineering (Demand Side Management using Smart Grid Technology)	Indian Institute of Technology Roorkee, Uttarakhand (IIT Roorkee)	2016

EXPERIENCE

Sr. No.	Organisation	Duration
1.	A. C. Patil College of Engineering, Navi Mumbai.	August 1998 – July 1999
2.	Lokmanya Tilak College of Engineering, Navi Mumbai.	July 1999 – Feb 2001
3.	Sardar Patel College of Engineering, Andheri (W), Mumbai.	March 2001 – Till date

PROFESSIONAL MEMBERSHIP

Sr. No.	Name of professional society	Membership ID
1 .	Indian Society for Technical Education (ISTE)	LM 34344
2.	Indian Society for Non-Destructive Testing (ISNDT)	LM 6004

PAPERS PUBLISHED

International Journal

Sr. No.	Authors	Title of paper	Publisher	Year
1.	Nandkishor Kinhekar, Narayana Prasad Padhy, Furong Li and Hari Om Gupta	Utility Oriented Demand Side Management Using Smart AC and Micro DC Grid Cooperative	IEEE Transactions on Power Systems	March 2015
2.	Nandkishor Kinhekar, Narayana Prasad Padhy and Hari Om Gupta	Multiobjective Demand Side Management Solutions for Utilities with Peak Demand Deficit	International Journal of Electrical Power and Energy Systems	October 2013

International Conference

Sr. No.	Authors	Title of paper	Publisher	Year
1.	Vaibhav Bhosale, Prasad Hadawale, Akash Borole, Nandkishor Kinhekar	Automated Demand Response for Residential Consumers	Power System Conference (NPSC-2016), IIT, Bhubaneswar, India.	December 2016
2.	Nandkishor Kinhekar, Narayana Prasad Padhy, Furong Li and Hari Om Gupta	Utility Oriented Demand Side Management Using Smart AC and Micro DC Grid Cooperative	IEEE Power & Energy Society General Meeting, Boston	July 2016
3.	Ramayana Santosh, Charan Kumar,	Grid Connection of Modular Multilevel Converter	International Conference on	July 2016

	Nandkishor Kinhekar and Mahendra Ghat		Power Electronics, Intelligent Control and Energy Systems, New Delhi, India	
4.	Vinayak Sonandkar, Arun Bhati, Dheeraj Gupta, Shivdayal Chavan, Nandkishor Kinhekar, N. P. Padhy	Power measurement using rduino for effective demand response	International Conference on Power System 2016 (ICPS-2016), IIT, Delhi, India.	March 2016
5.	Nandkishor Kinhekar, Narayana Prasad Padhy and Hari Om Gupta	Particle Swarm Optimization Based Demand Response for Residential Consumers	IEEE Power & Energy Society General Meeting, Denever, Colarado, USA	July 2015
6.	Nandkishor Kinhekar, Narayana Prasad Padhy and Hari Om Gupta	Demand Side Management for Residential Consumers	IEEE Power & Energy Society General Meeting, Vancouver, Canada.	July 2013
7.	Nandkishor Kinhekar, S. Daingade and A. Kinhekar	Current Differential Protection of Alternator Stator Winding	International Power System Transient Conference (IPST-2009), Doshisha University, Kyoto, Japan.	June 2009
8.	Sanjay Dambhare, Nandkishor Kinhekar, S.A.Soman, M.C.Chandorkar	ATP-EMTP Analysis of Series Compensated Lines	International Conference on Power System Protection 2007 (ICPSP-2007), CPRI, Bangalore, India.	Febru ary 2007

National Journals

Sr. No.	Authors	Title of paper	Publisher	Year
1.				

National Conference

Sr. No.	Authors	Title of paper	Publisher	Year
1.	Nandkishor Kinhekar, Narayana Prasad Padhy, Nibedita Bisoyi	Demand Side Management Framework & Initiative – A case study on Indian Scenario	National Conference on Renewable Energy, Conservation & Efficient Use of Electricity (RENCON – 2016), The Institution of Engineers (India), Roorkee.	February 2016

WORKSHOP / COURSES ATTENDED

Sr. No.	Organizer	Title	Year
1.	IEEE Bombay Section	IEEE Bombay Sections’s Teachers Congress 2024	30th August to 01st September 2024
1.	Unnat Bharat Abhiyan (UBA) IIT Mumbai	Understanding Rural India-Evolving strategies to engage with rural communities in Unnat Bharat Abhiyan (UBA)	22nd to 23rd June 2023
2.	TEQIP III at CE & QIP Indian Institute of Technology Bombay	Practical Optimization	6th to 11th January 2020

3.	TEQIP at Sardar Vallabhbhai National Institute of Technology, Surat.	Hands On: Mathematical Modelling and Software Simulation for Power System Engineering	6th to 15th June 2016.
4.	ISTE at Sardar Patel Institute of Technology, Mumbai	Outcome Based Education- Innovative Teaching Learning Practices and Evaluation	2nd to 6th May 2016
5.	TEQIP at Sardar Patel College of Engineering, Mumbai.	Micro Electromechanical Systems (MEMS): Design, Fabrication and Characterization	4th to 8th January 2016
6.	AICTE at Sardar Patel Institute of Technology, Mumbai	Electronic System Design: From Devices to Applications	4th to 15th May 2015
7.	QIP at Indian Institute of Technology Roorkee, (IIT Roorkee) Uttarakhand.	Embedded Systems & Its Application to Control Systems	9th to 13th June 2014
8.	QIP at Indian Institute of Technology Roorkee, (IIT Roorkee) Uttarakhand.	Multi Level Inverter and Its Applications	30th December 2013 to 3rd January 2014
9.	QIP at Indian Institute of Technology Roorkee, (IIT Roorkee) Uttarakhand.	High Voltage Direct Current Transmission	8 th July 2013 to 12 th July 2013

WORKSHOP / COURSES CONDUCTED

Sr. No.	Organizer	Title	Year
1.			

ONLINE COURSES

Sr. No.	Organizer (AICTE/ Swayam / NPTEL / Coursera)	Title	Year
1.			

CONFERENCE ATTENDED

Sr. No.	Organizer	Title	Year
1.	EIM division of IEEMA	INSULEC-2019 10 th International Conference on Electrical & Electronics Insulating Materials & Systems	21 st to 22 nd August 2019
1.	The Institution of Engineers (India), Roorkee Local Centre, Indian Institute of Technology Roorkee	National Conference on Renewable Energy, Conservation & Efficient Use of Electricity (RENCON – 2016).	12th & 13th February 2016.
2.	IEEE PES Society, Denver, Colorado USA.	IEEE Power & Energy Society General Meeting 2015.	26th to 30th July 2015.
3.	Doshisha University, Kyoto, Japan	International Conference on Power System Transients (IPST 2009)	2nd to 6th June 2009
4.	Central Power Research Institute, Bangalore	International Conference on Computer Relaying and Wide Area Measurements	22nd & 23rd February 2007

CONFERENCE ORGANIZED

Sr. No.	Organizer	Title	Year
1.			

EVENTS ORGANIZED

Sr. No.	Organizer	Title	Year
1.			

PROJECTS GUIDED

PG Level

Sr. No.	Title of project	Year	Status (Completed/ Ongoing)
1.	Grid Connection of Modular Multilevel Converter	2015-16	Completed
2.	Condition Monitoring of Transformer oil with Insulation Resistance Testing	2016-17	Completed
3.	Demand Side Management for Residential Sector	2016-17	Completed
4.	Analysis and Mitigation of Very Fast Transient Overvoltage in Gas Insulated Substation.	2017-18	Completed
5.	Development of Reliability Assessment Framework for EHV Transmission System in India and Its Application on Maharashtra.	2017-18	Completed
6.	Transmission Line Voltage and Current Unbalance Limits Validation Using Synchrophasor Technology.	2018-19	Completed
7.	Analysis and Categorization of Grid Incidents and Grid Disturbances in Western Region	2018-19	Completed
8.	Design of Three-Level Photovoltaic Inverter parameters for Active and Reactive Power Supply to the Grid Using DQ Transformation	2018-19	Completed
9.	Smart monitoring of automatic under frequency load shedding (S.M.O.A.U.F.L.S.)	2019-20	Completed
10.	Grid Connected PV Wind Hybrid with Reactive Power Control	2021-22	Completed
11.	Analysis of current control techniques of Solar PV-based Electric Vehicle battery charger	2021-22	Completed

Ph.D. Level

Sr. No.	Title of thesis	Year	Status (Completed/ Ongoing)
1.			

SUBJECTS TAUGHT

Sr. No.	Name of subject	UG/ PG
1.	Electrical Machines I	UG
2.	Electrical Machines II	UG
3.	Electrical Measurement and Measuring Instruments	UG
4.	Power System I	UG
5.	Smart Grid (Elective)	UG
6.	Switchgear and Protection	UG
7.	Environmental Studies and Management	UG
8.	Power System Operation and Control	UG
9.	Power System Planning & Reliability	PG
10.	Power System Dynamics and Control	PG
11.	Smart Grid Technologies	PG
12.	Reliability Assessment of Power System	PG
13.	Distributed Generation and Microgrid	PG

ACHIEVEMENT

Sr. No.	Type of achievement	Year
1.	POSOCO Power System Award – 2016	February 2016

DEPARTMENTAL AND INSTITUTIONAL RESPONSIBILITIES

Sr. No.	Type of responsibility	Department / Institute	Year
1.	P.G. COORDINATOR	Electrical Department	2022-Till date
2.	MEMBER STUDENT WELFARE COMMITTEE	SPCE	2022-Till date
3.	P.G. COORDINATOR	Electrical Department	2016-2018
4.	MEMBER STUDENT WELFARE COMMITTEE	SPCE	2016-2021
5.	MEMBER PROCUREMENT COMMITTEE	Electrical Department	2016-2018
6.	MEMBER SUBJECT BOARD	Electrical Department	2019-2021
7.	MEMBER ACADEMIC BOARD	SPCE	2022-Till date