

CURRICULUM VITAE

Dr Sanjay Madanrao Shinde

Associate Professor, Department of Electrical Engineering,
Government College of Engineering, Aurangabad, Maharashtra

Additional Responsibilities:

- 1) Incharge of Academic Support to Weak Students (ASWS)- TEQIP-II
- 2) Controller of Examinations

DOB: 18 July 1966

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Education Details:

Examination	Year of Passing	Board/University	Institute	Percentage /CGPA
Ph.D(Electrical)	2017	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Government College of Engineering, Aurangabad	
ME (Electrical Power Systems)	1998	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Government College of Engineering, Aurangabad	64.68%
BE Electrical	1990	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Government College of Engineering, Aurangabad	69.09%

Work Experience:

1. Lecturer, Department of Electrical Engineering, Jawaharlal Nehru Engineering College, Aurangabad, 1990-1995.
2. Lecturer, Department of Electrical Engineering, Govt. Polytechnic, Aurangabad 1995-2002.
3. Lecturer, Department of Electrical Engineering, Government College of Engineering, Aurangabad, 2002-2010.
4. Lecturer, Department of Electrical Engineering, Government College of Engineering, Amravati, 2010-2011.
5. Associate Prof. , Department of Electrical Engineering, Government College of Engineering, Aurangabad, 2011-Till Today.

Journal papers published

1. S. M. Shinde, W. Z. Gandhare, "FACTS Controller for Co-generation Systems" International Conference & Workshop on Emerging Trends in Technology (ICWET 2010) Thakur College of Engineering Mumbai Feb 26-27, 2010, ACM ,pp 973-975 (ACM-ISBN:978-1-60558-812-4)
2. S. M. Shinde, W. Z. Gandhare, "Harmonic Minimization in Sugar Industry based Co-Generation Plant" Teema journal December 2013, pp. 122-125.
3. D. G. Himpalnerkar, S. M. Shinde, "Harmonic Filters" International Journal of Advances in Management, Technology & Engineering Sciences, Vol.1, Issue 6(VII), March 2012, pp188-194 (ISSN:2249-7455)
4. V. P. Gosavi, S. M. Shinde, "Harmonic study of VFDS and filters design: A Case study for sugar industry with cogeneration" International Journal of Advances in Engineering & Technology, July 2014, Vol. 7, Issue 3, pp. 782-789.
5. Y. K. Kirange, S. M. Shinde, "Power Quality Aspect of Eddy Current Drive for Crushing Mill in Sugar Industry" International Journal of Engineering Research and Application, Vol. 3, Issue 1, January-February 2013, pp. 511-515.
6. M. M. Hapse, A. G. Thosar, S. M. Shinde, "Validating Wind Energy Probability at Ahmednagar Wind Farm" Journal of Energy and power Engineering, Volume 5, Number 2, February 2011 (Serial Number 39), pp 189-194 (ISSN 1934-8975 Print), (ISSN 1934-8938-Online).
7. Bidwe Umesh B., Shinde Sanjay M., "Speed Control of Three Phase Induction Motor Using Fuzzy-PID Controller" International Journal of Engineering Research and Technology, Vol. 2, Issue 11, November-2013, pp. 3794-3799.
8. Maharudra S. Shinde, Sanjay M. Shinde, "PWM Controlled Four Switch Three Phase Inverter Fed Induction Motor Drive" International Journal of Innovation in Engineering, Research and Technology [IJIERT], Conference Proceedings ISSN No. - 2394-3696, 2015, pp. 1-6.
9. Sadanand A. Waghmare, Sanjay M. Shinde, " Voltage Sag Compensation Using PWM-Switched Autotransformer" International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), ISSN (Print)-2320-3765, (Online) 2278-8875, Vol.5, Issue 6, June 2016, pp-4550-4555
10. Manali P. Chavhan, Sanjay M. Shinde, " Modeling of Brushless DC Motor with Various Loading Conditions for Electric Vehicle Application" International Journal of Engineering Research and Development (IJERD), ISSN (Online) 2278-067X, (Print) 2278-800X, Vol.12, Issue 6, June 2016, pp 64-71

Conference papers published

1. S. M. Shinde, K. D. Patil, W. Z. Gandhare, " Dynamic Compensation of Reactive Power for Integration of Wind Power In a weak distribution network" International conference on Control, Automation, Communication & Energy Conservation .Kongu Engineering College Perunduri, Erode, Tamil nadu ,India- June 2009, IEEE Conference, pp 898-908, ISBN:978-81-8424-440-3
2. S. M. Shinde, , K. D. Patil, S. S. Khairnar, W. Z. Gandhare "The Role of Power Electronics in Renewable Energy Systems Research and Development." 2nd International Conference on Emerging Trends in Engineering and Technology

- G.H .Raisoni College of Engineering Nagpur December 2009,IEEE Conference, pp726-730,(ISBN978-81-8465-150-8)
3. S. M. Shinde, K. D. Patil, W. Z. Gandhare, "Wavelet Based Method for Off-site and On-site detection of PD Signals in High Voltage Cables" Dr. Babasaheb Ambedkar Marathwada University Aurangabad,December2009
 4. G. Lamture, S. M. Shinde, "Performance & analysis of single phase inverter fed three phase induction motor drives" in national conference on emerging trends in electrical & electronics engineering organized by V.V.P.Institute of engineering and technology Solapur in February 2013.
 5. A.S.Bhugul, A.G. Thosar, S. M. Shinde, "Performance of standalone solar PV-wind hybrid system for supplying power to data centre" 3rd International conference on recent trends in engineering & technology organised by Late sau Kantibai Bhavarlalji Jain College of Engineering Neminagar Chandawad, Nasik March 2014, pp. 243-249.
 6. M. M. Hapse, A. G. Thosar, S. M. Shinde, S. A. Markad"Wind Energy Validation Using Available Wind Potential "at Proc. of International Conference on Advances in Electrical &Electronics 2010, pp. 165-167 .
 7. A.S.Bhugul, S. M. Shinde, "Methodology to Find Solar PV Generation Potential & Estimation of Possible Electricity Generation in Aurangabad, India" International Conference On Solar Energy Photovoltaic December 2012, KIIT University. Bhubaneswar.
 8. M.S. Potdar, S.M. Shinde, W.Z. Gandhare, "Active Power Filter for Reactive Power Compensation" All India seminar on Generation Economics and Grid Security, 13-14 April 2007, Nagpur, pp 169-172.
 9. V. P. Gosavi, S. M. Shinde , "Harmonic study of VFDS and filters design: A Case study for sugar industry with cogeneration" International Journal of Advances in Engineering & Technology ,July2014, Vol. 7, Issue 3, pp. 782-789.
 10. Amol S. Varade, Sanjay M. Shinde, " Single Controllable Switch Converters for Switched Reluctance Motor Drive " National Conference on Power and Energy Systems [NCPES-2015] P.S.R. Engineering College,Sivakasi.
 11. Sumit K. Nimkar, S.M. Shinde, "A Reduced Switch-Count Converter for Distributed Generation" National Conference on Power and Energy Systems [NCPES-2015] P.S.R. Engineering College,Sivakasi
 12. Prasad S. Deshmukh, Sanjay M. Shinde, "Economical Single Switch Step Up Converter for Solar PMDC Motor Drive for Water Pumping Application" National Conference on Power and Energy Systems [NCPES-2015] P.S.R. Engineering College,Sivakasi
 13. Rushikesh R Todkar, Sanjay M. Shinde, "A Solar Photovoltaic System for ATM by using Buck-Boost Integrated Full Bridge Inverter" 2nd IEEE Conference on Advances in Electrical& Electronics, Information, Communication & Bio Informatics IEEE, Feb 2016, Chennai, pp 338-342.
 14. Vaibhav W. Nage, Sanjay M. Shinde, "An Elevator Driven by Single-Sided Linear Induction Motor (SLIM)" International Conference on Advanced communication, control & computing Technologies (ICACCCT), Syed Ammal Engineering College, Ramanathapuram, Tamilnadu, pp- 445-448.
 15. Manali P. Chavhan, Sanjay M. Shinde,"Modeling and Simulation of a Controller of Brushless DC Motor for Electric Vehicle Application" National Conference on Innovative Trends in Science and Engineering,(NC-ITSE-16), Mauli College of Engineering and Technology Shegaon, July 8-9,2016, ISSN-2321-8169, Vol.4,Issue-7, pp 9-13

16. Yogesh Kirange, Sanjay M. Shinde, " Voltage source inverter with three phase converter for three phase induction motor" National conference on Recent Trends in Electrical Engineering, Government College of Engineering, Karad, February 16-17, 2017
17. Nikhil Ganveer, Sanjay M. Shinde, " Performance Analysis of Induction Generator in Wind Power Systems" National conference on Recent Trends in Electrical Engineering, Government College of Engineering, Karad, February 16-17, 2017
18. Sagar D. Tayde, Sanjay M. Shinde, " Statistical Analysis of Monthly Solar Radiations and Wind Speed Data " International Conference on Emerging Trends and Innovations in Engineering and Technological Research (ICETIETR 2k18) ToC H Institute of Science & Technology, Arakkunnam, Ernakulam, Kerala, ISBN No. 978-1-5386-5743-0
19. Prerna R. Guhe, Sanjay M. Shinde, "Analysis of Control Schemes for Stand-Alone Wind Energy Conversion System" (ICIETS-2018) NIE Institute of Technology , Mysore, Karnataka
20. Prerna R. Guhe, Sanjay M. Shinde, "A Review on Control Scheme for Stand-Alone WECS" (ICCPEIC 2018) Adhiparasakthi Engineering College, Melmaruvathur, TN
21. Abhishek Purushottam Taur, Sanjay M Shinde, " Effects of Grain Orientation and Switching Temperature Rise in Switchgear Contact Material" 978-1-5386-5629-7/18/\$31.00 ©2018 IEEE.
22. Renuka Rasal, Sanjay M. Shinde "Modelling and Simulation of Hydro Power Plant with Reversible Turbine and Synchronous Generator" 5th International Conference on Computing, Communication, Control and Automation (ICCUBEA-2019), Pimpri Chinchwad College of Engineering Pune, Sep. 19-21 2019
23. Rucha Gawai, Sanjay M. Shinde "Power sharing analysis of Grid connected three-phase Solar roof system" 5th International Conference on Computing, Communication, Control and Automation (ICCUBEA-2019), Pimpri Chinchwad College of Engineering Pune, Sep. 19-21 2019
24. Bharti Karapate, Sanjay M. Shinde "Performance of SPV Array fed Small Variable Speed Pumped Storage Power Plant" 5th International Conference on Computing, Communication, Control and Automation (ICCUBEA-2019), Pimpri Chinchwad College of Engineering Pune, Sep. 19-21 2019
25. Sandip A. Gaikwad, Sanjay M. Shinde "Review on Five-phase Induction Motor fed by Five-phase Voltage Source Inverter with different Conduction Mode "International Conference on Industry 4.0 Technology (I4Tech-2020), Vishwakarma Institute of Technology Pune, Feb. 13-15 2020

Trainings Completed:

Sr. No	Title of Training Participated	Duration	Venue	Sponsored By
1	Digital Transformation in Teaching Learning Process	April 6-22,2020	IIT Bombay online	TEQIP
2	Online Training Program on Industrial Energy Audit	May 20-24, 2020	GEC Aurangabad online	TEQIP
3	Two week online FDP on Research opportunities in Electrical Engineering	May 07-16,2020	GEC Karad online	TEQIP

4	Regional Research Symposium on Problem Based Learning	November 21-23,2020	KLE Tech University, Hubballi	TEQIP
5	Workshop on Examination Reforms	March 4-6,2020	KLE Tech University, Hubballi	TEQIP and AICTE
6	Professional Development Training	January 19-21,2019	IIM Udaipur	TEQIP
7	Professional Development Training	January 27-31,2019	IIM Kashipur	TEQIP
8	Technology Driven Innovation and Entrepreneurship	February 08-12,2017	GECA-IIT Bombay	TEQIP
9	Power Quality in Deregulated Power System with MATLAB Applications	June 6-11,2016	NIT,Hamirpur	TEQIP
10	Energy Management and Energy Efficiency	23-27 May 2016	IIT, Guwahati	TEQIP
11	Smart grid operations with Renewable	7-18 Dec.2015	IIT, Kharagpur	MHRD
12	Solar Energy and its Applications	24-28 June 2013	MANIT, Bhopal	TEQIP
13	Power Quality Issues and Solution	26-27 Oct 2013	ADCET, Ashta	
14	Power Quality issues and Improvement	(28-29 September 2012)	PSG College of Technology Coimbatore	DRDO
15	Application of MATLAB in Electrical Engineering	(17-28 December 2012)	NITTTR, Kolkata	TEQIP
16	Power Quality and Harmonic Mitigation	(28-31 May 2012)	National power training institute, Bengaluru	TEQIP
17	Engineering Optimization EO-2010	28 June to 09 July 2010	Govt. college of engineering, Aurangabad	ISTE
18	Genetic Algorithm and nuero fuzzy application in engineering	(19 November -10 December 2010)	Govt. college of engineering Aurangabad	ISTE
19	Research Method in Science, Engineering and Management	8-19 June 2009	NIT Calicut	MHRD
20	National Workshop on Examination Reforms	10 Dec to 12 Dec 2008	NITTTR, Bhopal	
21	Power Electronics	6-7 September 2007	IIT Bombay	

22	E-Tap software training	(26-30 June 2006).	KLG systel Mumbai	
23	Power System Operation and Control	5-10 June 2006	IIT Bombay	
24	Cyber Law for Faculty & Staff of education Institute and Professional	8-10 Sept 2006	Govt. college of engineering Aurangabad	TEQIP
25	Energy Management	27 Nov- 01 Dec 2006	IIT Bombay	TEQIP
26	Motor Winding Training Program	28 Nov 2005 to 28 Dec 2005	Govt. college of engineering Aurangabad	TEQIP
27	Application of MATLAB in Electrical Engineering	16-20 August 2005	Govt. college of engineering Aurangabad	ISTE
28	Transformer Testing, Maintenance and Protection	22-26 March 2004	Govt. college of engineering Aurangabad	ISTE
29	Non-Conventional Source of Energy	16-27 June 2003	IIT Delhi	(QIP)
30	Power Station Operation and Load Dispatch	28 Feb to 03 March 2000	MSEB Eklahare Nasik	
31	Power Station Operation and Load Dispatch	08 March to 12 March 1999	MSEB Eklahare Nasik	
32	Industrial Training of Teachers	13 Oct 1997 to 02 Jan 1998	Govt. Polytechnic Aurangabad	
33	Traction Engineering	17-21 March 1997	Indian Railway Institute of Electrical Engineering, Nasik	
34	Induction Program (Technical Teacher Training)	05 Aug to 23 Aug 1996	Govt. Polytechnic Aurangabad	
35	Career Development and Management Skill	28 Feb to 02 March 1994	JNEC Aurangabad	

Additional information:

- a) Procurement In-charge in TEQIP.
- b) Member of III Cell
- c) Delivered invited lectures on Solar photovoltaic, Energy Management, Renewable Energy
- d) **Conducted CEP On Solar Photovoltaic Systems (21st Jan to 25th Jan 2018)**

Research Areas:

1. Renewable energy
2. Power Quality

Training Programmes Organized

1. Energy Audit and Conservation
2. Industrial Automation
3. Renewable Energy Technologies.

Subjects Taught:

1. Renewable Electric Power Systems
2. Electromagnetic Fields
3. Transformers and D.C. Machines
4. Energy conservation and Management
5. Solar Energy Systems
6. Renewable Energy Technology
7. Basics of Electrical Engineering
8. Wind Energy Systems
9. Power Quality

Consultancy Projects undertaken:

1. Testing of LED Street Light design for Municipal Corporation, Aurangabad
2. Testing of Solar Home Lighting System
3. Testing of motors for Washing Machine
4. Testing of open well submersible motors
5. Energy Audit of Agricultural Feeder

Dr Sanjay Madanrao Shinde