

## CURRICULUM VITAE

### Sanjay Madanrao Shinde

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



#### Additional Responsibilities:

- 1) In-charge of Academic Support to Weak Students (ASWS)- TEQIP-II
- 2) Electrical Energy bill in charge

**DOB:** 18 July 1966

**Email:** [sanjayshindekansurkar@gmail.com](mailto:sanjayshindekansurkar@gmail.com)

#### Education Details:

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

### **Conference and Journal papers published for Ph.D.**

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" Ieema journal December 2013, pp. 122-125.

### **Journal papers published**

1. 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)
2. 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.
3. 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.
4. 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).
5. 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.
6. 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 [IJERT], Conference Proceedings ISSN No.- 2394-3696, 2015, pp. 1-6.

### **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, pp 726-730, (ISBN 978-81-8465-150-8)

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. BabasahebAmbedkarMarathwada 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" 3<sup>rd</sup> International conference on recent trends in engineering & technology organised by LatesauKantibaiBhavarlalji Jain College of Engineering NeminagarChandawad, 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" Internaational 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" 2<sup>nd</sup>IEEE Conference on Advances in Electrical& Electronics, Information, Communication & Bio Informatics IEEE, Feb 2016, Chennai, pp 338-342.

#### **Trainings Completed:**

<b>Sr. No</b>	<b>Title of Training Participated</b>	<b>Duration</b>	<b>Venue</b>	<b>Sponsored By</b>
1.	Smart grid operations with Renewable	7-18 Dec.2015	IIT, Kharagpur	MHRD
2.	Solar Energy and its Applications	24-28 June 2013	MANIT,Bhopal	TEQIP
3.	Power Quality Issues and Solution	26-27 Oct 2013	ADCET, Ashta	

4.	Power Quality issues and Improvement	(28-29 September 2012)	PSG College of Technology Coimbatore	DRDO
5.	Application of MATLAB in Electrical Engineering	(17-28 December 2012)	NITTTR, Kolkata	TEQIP
6.	Power Quality and Harmonic Mitigation	(28-31 May 2012)	National power training institute, Bengaluru	TEQIP
7.	Engineering Optimization EO-2010	28 June to 09 July 2010	Govt. college of engineering, Aurangabad	ISTE
8.	Genetic Algorithm and nuero fuzzy application in engineering	(19 November -10 December 2010)	Govt. college of engineering Aurangabad	ISTE
9.	Research Method in Science, Engineering and Management	8-19 June 2009	NIT Calicut	MHRD
10.	National Workshop on Examination Reforms	10 Dec to 12 Dec 2008	NITTTR, Bhopal	
11.	Power Electronics	6-7 September 2007	IIT Bombay	
12.	E-Tap software training	(26-30 June 2006).	KLG systel Mumbai	
13.	Power System Operation and Control	5-10 June 2006	IIT Bombay	
14.	Cyber Law for Faculty & Staff of education Institute and Professional	8-10 Sept 2006	Govt. college of engineering Aurangabad	TEQIP
15.	Energy Management	27 Nov- 01 Dec 2006	IIT Bombay	TEQIP
16.	Motor Winding Training Program	28 Nov 2005 to 28 Dec 2005	Govt. college of engineering Aurangabad	TEQIP
17.	Application of MATLAB in Electrical Engineering	16-20 August 2005	Govt. college of engineering Aurangabad	ISTE
18.	Transformer Testing, Maintenance and Protection	22-26 March 2004	Govt. college of engineering Aurangabad	ISTE
19.	Non-Conventional Source of Energy	16-27 June 2003	IIT Delhi	(QIP)
20.	Power Station Operation and Load Dispatch	28 Feb to 03 March 2000	MSEB Eklahare Nasik	
21.	Power Station Operation and Load Dispatch	08 March to 12 March 1999	MSEB Eklahare Nasik	
22.	Industrial Training of Teachers	13 Oct 1997 to 02 Jan 1998	Govt. Polytechnic Aurangabad	

23.	Traction Engineering	17-21 March 1997	Indian Railway Institute of Electrical Engineering, Nasik	
24.	Induction Program (Technical Teacher Training)	05 Aug to 23 Aug 1996	Govt. Polytechnic Aurangabad	
25.	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

**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. SolarEnergy 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

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