

## Staff-Profile



- 1. Name :** Suhas Manohar Shembekar
- 2. Designation:** Assistant Professor (Electrical Engineering Department)
- 3. Date of Birth:** 31/08/1976
- 4. Address Permanent:** Plot No.30, Balaji Nagar, Gandhi Layout, Khamgaon-444303  
Dist: Buldhana (M.S.)

**Correspondence:** C/o. Mr. R.B. Rajput, Plot No. 14, Block No.1, Dandekar Nagar, Pimprala,  
Jalgaon- 425001 (M.S.)

- 5. Email id:** [sshembekar@gmail.com](mailto:sshembekar@gmail.com)
- 6. Contact No.:** 9922691649
- 7. Educational Qualification:**

Exam	Name of School/College	University /Board	Year	Division
S.S.C.	Shri. A.K.National High School, Khamgaon Dist: Buldhana	Amravati	1993	I
Diploma in Electrical Engineering	Govt. Polytechnic, Khamgaon, Dist: Buldana	D.T.E. Mumbai	1996	I
B.E. in Electrical Engineering	Shri Sant Gajanan Maharaj College of Engineering, Shegaon Dist: Buldana	Amravati	1999	I
M.E. in Electrical Power System	Govt. Engg. College, Aurangabad	Dr. B.A.M.U., Aurangabad	2010	I

## 8. Details of Jobs:

Total Teaching Experience: 18 Years

Name of the Institute/College	Designation	Experience in Years
S.S.B.T.'s College of Engineering & Technology, Bambhori, Jalgaon (M.S.)	Assistant Professor	8 Years 3 months
M.S.S. College of Engineering and Technology, Jalna (M.S.)	Senior Lecturer	4 Years
Shri Sant Gajanan Maharaj College of Engineering, Shegaon, Dist: Buldana (M.S.)	Lecturer	2 Years
Anuradha Engineering College, Chikhli, Dist: Buldana (M.S.)	Lecturer	1 Year
G.P., Khamgaon, Dist: Buldana	V. Lecturer	1.5 Years
J.S.P.M., Polytechnic, Pusad, Dist: Yavatmal	Lecturer	1 Year

## 9. Details of Approval of Services in Teaching:

S.N.	Institute/College	Designation	Department	University Letter No. and name of University
1	S.S.B.T.'s College of Engineering & Technology, Bambhori, Jalgaon (M.S.)	Assistant Professor	Electrical Engineering Deptt.	NMU/18/363/2010 North Maharashtra University, Jalgaon

## 10. Papers published / Presented in the proceedings of national level conferences/Journals:

### Year 2016-17

#### a. International Journal

1. Nikhil S. Borse, S.M.Shembekar, "Modelling and Simulation of Dual Unified Power Quality Conditioner for Power Quality Enhancement", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 6, Issue 1, January 2017, ISSN(Online) : 2319-8753, ISSN (Print) : 2347-6710, pp 366-374. (Impact Factor: 6.209, DOI:10.15680/IJRSET.2017.0601070)

#### b. International Conference:

1. Nikhil S. Borse, S.M.Shembekar, "Enhancement of Power Quality using Dual Topology of UPQC", International Conference on Global Trends in Signal Processing, Information Computing and Communication (ICSPICC) during 22-24 December 2016.

### Year 2015-16

#### a. International Journal

1. Sidhant N. Patil, S.M. Shembekar, "A review on UPQC based One Feeder and Double Feeder Distribution System for Power Quality Improvement", International Journal on Recent and Innovation Trends in Computing and Communication, Volume:3, Issue:9,

September 2015, ISSN:2321-8169, pp 5687-5692. (Scientific Journal Impact factor: 5.837)

2. K.L. Deshmukh, S.M. Shembekar, "Harmonics Reduction by using SRF based Shunt Active Power Filter", International Journal of Modern Trends in Engineering and Research", Volume:2, Issue:7, July 2015 [Special Issue of ICRTET' 2015, 2-4 July 2015], e-ISSN: 2349-9745, pp1561-1566.
3. Miss P.A. Sonawane, S.M. Shembekar, "A Performance Analysis of STATCOM on Distance Protection Relay", International Journal for Scientific Research and Development (IJSRD), Volume:3, Issue:10, December 2015, ISSN (online): 2321-0613, pp 851-854.
4. Sidhant N. Patil, S.M. Shembekar, "Power Quality Improvement using Unified Power Quality Conditioner", International Journal of Modern Trends in Engineering and Research, (IJMTER), Volume:3, Issue:3, March 2016, ISSN (online): 2349-9745, ISSN (Print): 2393-8161, pp 26-32. [Scientific Journal Impact Factor (SJIF): 3.518].
5. Ms Harshali Wani, S.M. Shembekar, "Dynamic Sag Correctors: The Solution for Power Quality Problems in Industrial Section", International Journal for Scientific Research and Development, Volume 1, Issue 1, 2016, ISSN (online): 2321-0613, pp 871-875.
6. Ms Harshali Wani, S.M. Shembekar, "Analysis of Parasitic Boost Active Voltage Quality Regulator without Transformer for Power Quality Improvement", International Journal of Advance Engineering and research Development, Volume 3, Issue 6, June 2016, e-ISSN (O): 2348-4470, p-ISSN (P): 2348-6406, pp 281-291. (Scientific Journal of Advance Engineering and research Development). (Scientific Journal Impact factor SJIF: 4.14)

b. International Conference:

1. Nikhil B. Borse, S.M. Shembekar, "Review of Dual UPQC Control Techniques for Power Quality Improvement", International Conference on Global Trends in Engineering , Technology and Management ICGTETM-2016, 4-5 January 2016, ISSN: 2231-5381, pp 529-532.
2. Miss P.A. Sonawane, S.M. Shembekar, "Modeling and Design of Distance Relay tripping Characteristics by STATCOM", International Conference on Global Trends in Engineering , Technology and Management ICGTETM-2016, 4-5 January 2016, ISSN: 2231-5381, pp 167-170.
3. Sidhant N. Patil, S.M. Shembekar, "Enhancement of Electric Power Quality using Unified Power Quality Conditioning System", International Conference on Global Trends in Engineering , Technology and Management ICGTETM-2016, 4-5 January 2016, ISSN: 2231-5381, pp 292-296.

**Year 2014-15**

a. International Journal

1. Suhas M. Shembekar, Nikhil B. Borse, Lilachand P. Patil, "A Comparative Analysis of UPQC for Power Quality Improvement", International Journal of Innovative Research in Advanced Engineering (IJIRAE), Volume:2, Issue 4, April 2015, ISSN:2349-2163, pp 229-233.
2. Kalpesh L. Deshmukh, Suhas M. Shembekar, "Performance of Shunt Active Power Filter based SRF Algorithm under Non Linear Load", International Journal of Engineering and Technical Research (IJETR), Volume 3, Issue 5, May 2015, ISSN: 2321-0869, pp 1-4.

3. K.L. Deshmukh, S.M. Shembekar, "Design and Control of Shunt Active Power Filter Using SRF Controller". IORD Journal of Science and Technology, Volume 2, Issue 3, Mar-Apr 2015, E-ISSN: 2348-0831, pp 61-64, Impact Factor 1.719.
4. Suhas M. Shembekar, Sidhhant N. Patil, "Conditioning of Power Quality in Transmission Network using UPQC", International Journal of Research in Advent Technology, Volume:3, No. 1, January 2015, E-ISSN: 2321-9637, pp 43-50.
5. Sidhhant N. Patil, S.M. Shembekar, " A New Versatile Control Scheme for UPQC for Power Quality Improvement", International Journal of research in Electronics and Computer Engineering (IJRECE), Volume 3, Issue 2, Apr-June 2015, ISSN: 2393-2281 (Print) , ISSN: 2348-2281 (online), pp 136-141.

b. International Conference

1. P. A Sonawane, S.M. Shembekar, "Brushless Alternator for Automotive Applications", International Conference on Technological Innovations through Modern Engineering Sciences (TIMES' 15), 16 may 2015.

**Year 2013-14**

a. International Journal

1. V.S. Pawar, S.M. Shembekar, "Transient Overvoltages in Power System", Pratibha: International Journal of Science, Spirituality, Business and Technology (IJSSBT), Volume 2, No. 1, November 2013, ISSN (Print): 227-7261, pp 60-64.

b. International Conference

1. Vikas P. Patil, Pravin B. Mali, S.M. Shembekar, "Generation of Electricity using Biofuels", International Conference of Modelling and Simulation in Engineering and Technology (ICMSET-2014) organized by Godavari College of Engineering , Jalgaon, 15-16 February 2014, pp 400-404.
2. K.L. Deshmukh, S.M. Shembekar, D.U. Adokar, "Problems Associated with Wind Power Generation", International Conference of Modelling and Simulation in Engineering and Technology (ICMSET-2014) organized by Godavari College of Engineering , Jalgaon, 15-16 February 2014, pp 405-409.
3. S.M. Shembekar, "Transformer Oil Temperature Monitoring and Controlling", 1<sup>st</sup> International Conference on Mathematical Modelling and optimization Techniques in Science and Engineering (MMOSTE-2013), 26-27 July 2013 organized by S.S.B.T.'s College of Engineering and Technology, Bambhori, Jalgaon.

**Year 2012-13**

a. International Journal

1. N.S. Mahajan, K.R. Patil, S.M. Shembekar, "Electric Arc Model for high Voltage Circuit Breakers based on MATLAB Simulink", , Pratibha: International Journal of Science, Spirituality, Business and Technology (IJSSBT), Volume 1, No. 2, February 2013, ISSN (Print): 227-7261, pp 15-21.

## **Upto 2011**

- a. International Journal
  1. Dineshkumar U. Adokar, Suhas M. Shembekar, "A case Study on Comparison of LVDS and HVDS in Agricultural Sector", International Journal of Emerging Technologies and Applications in Engineering, Technology and Science (IJ-ETA-ETS), April 2010, ISSN: 0974-3588, pp 114-117.
- b. National Conference
  1. S.M. Shembekar, "Development of Induction machines in Wind Power Technology", Two days National Technical Paper Contest 'Threshold 2009' organized by Babasaheb Naik College of Engineering, Pusad, 23-24 September 2009.

## **11. Workshop/Training/STTP Attended:**

1. Attended one week short term training program on Faculty Develop Programme organized by National Institute of Technical Teachers Training and Research, Bhopal on 13/10/2017-18/10/2017.
2. Attended One week Short term Training Program on "Implementation of Power Electronics Systems" at S. V. National Institute of Technology, Surat, on 7<sup>th</sup> – 11<sup>th</sup> December 2015.
3. Attended One week short term training program on "Advances in Control and Instrumentation Education and Implementations" at S. V. National Institute of Technology, Surat, on 18<sup>th</sup> to 22<sup>nd</sup> May, 2015.
4. Two days workshop on "Teaching Skills" organized by Gokhale Advanced Training Institute(GATI) Jalgaon on 19<sup>th</sup> -20<sup>th</sup> March 2016.
5. Attended One Day Workshop on Screen Evaluation on 8<sup>th</sup> October 2015.
6. One Day Workshop on Syllabus Framing of Third Year Electrical engineering and Third Year Instrumentation Engineering of North Maharashtra University, Jalgaon on 21<sup>st</sup> Sept. 2013.
7. Workshop on Analog Electronics organized by IIT, Kharagpur under the National Mission on Education through ICT (MHRD) on 4<sup>th</sup> to 14<sup>th</sup> June, 2013.
8. Workshop on "Emerging Technologies in Smart Grid", at K.K.Wagh Institute of Engineering Education and Research, Nashik on December 26-28, 2014.
9. Two days National Workshop on "Technical Innovations and Reforms in Energy Sector" at MANIT Bhopal from 30<sup>th</sup> Nov. 2012 to 1<sup>st</sup> Dec. 2012.
10. Two days National level workshop on "Advances in Power Electronics & its Application" organized by Elect. & Telecomm. Engg. Department & Electrical Engg. Deptt. held on 15<sup>th</sup> & 16<sup>th</sup> March 2012 at S.S.B.T.'s College of Engineering & Technology, Bambhori, Jalgaon.
11. Attended two days National Level Workshop on "Research Methodology" organized by S.S.B.T.'s College of Engineering & Technology, Bambhori, Jalgaon, on 17<sup>th</sup> to 19<sup>th</sup> Oct.2011.
12. Attended One day workshop on "Disaster Management" organized by S.S.B.T.'s College of Engineering & Technology, Bambhori, Jalgaon on 23<sup>rd</sup> Jan 2010.
13. Attended two days workshop on "Matlab Applications" organized by S.S.B.T.'s College of Engineering & Technology, Bambhori, Jalgaon on 5<sup>th</sup> and 6<sup>th</sup> March 2011.

14. Attended Five days workshop on “Mission 10X” organized by S.S.B.T.’s College of Engineering & Technology, Bambhori, Jalgaon on 5<sup>th</sup> and 9<sup>th</sup> July 2010.
15. Attended One Day Workshop on “Possibilities of Energy Saving in Industries and Energy Audit-2010 (PESIEA-10)” organized by S.E.S. College of Engineering, Navalnagar, Dhule on 17<sup>th</sup> April 2010.
16. Attended two days workshop on “Effective Teacher”, at M.S.S. College of Engineering and Technology, Jalna on 18-19 August 2007.
17. Attended two days workshop on “AC and DC Drives”, at M.S.S. College of Engineering and Technology, Jalna on 12-13 March 2007.
18. Attended three days workshop on, “ANN & FEA for Electrical Engineering System”, at Sinhgad College of Engineering, Pune on 1-3 March 2007.
19. Attended three days workshop on, “PLC based Automation”, on 3-7 Oct. 2006.
20. Attended one day workshop on, “Matlab”, on 16<sup>th</sup> April 2006.
21. Attended seminar on, “Autonomy & Accreditation of the Technical Institutions- Global Perspectives”, at S.S.G.M.C.E. Shegaon on 29 Feb. 2004.
22. Attended one day workshop on, “Engineering Softwares”, at S.S.G.M.C.E. Shegaon on 5 Feb. 2004.
23. Attended conference on, “Towards Excellence in Technical Education in 21st Century”, at B.N. C.O.E, Pusad on 23-24 Nov. 1999.

**12. Details of Conference/Training Programme Organized as coordinator /co-coordinator/ Secretary:**

S.N.	Title/Place/Sponsorer	Duration
1	Two days workshop on, “AC and DC Drives” sponsored by Siemens Ltd. Mumbai, at M.S.S’s College of Engineering and Technology Jalna (M.S.)	12 <sup>th</sup> and 13 <sup>th</sup> March 2007

**13. Academic/Administrative work:**

1. I am worked as a PG Teacher for M.E. Electrical Power system.
2. College published two volumes of “Pratibha-International Journal of Science Spirituality, Business and Technology every year. I am working as a Publication Secretary of Journal since year 2012. We have publishes 9 volumes of International Journal so far.
3. Worked as a Faculty Advisor of Electrical Engineering Student Association of Electrical Engineering Department. Under EESA, we have conducted many events which are useful for the students to develop their carrier. Some important events are:
  - i. Poster Presentation
  - ii. Paper Presentation
  - iii. Aptitude Test
  - iv. Quiz Competition Test
  - v. Expert Lecture
4. Worked as a Internal Sessional Examination Co-ordinator (ISE Co-ordinator) from year 2009-2012 and 2014 to till date.
5. Worked as a Time Table In-charge of the Department from year 2009 to till date.

6. Worked as a Departmental Co-ordinator for National Level Students Paper Presentation Milestone 2K series from year 2010.
7. Worked as a Departmental Co-ordinator for SSBT-FEST activities.
8. Worked as Departmental Co-ordinator for NAAC committee.
9. Admission Committee: Sub committee member of U.G. and P.G. Admission

**14. Study Visit:**

- 1) Coordinator for the Industrial Visit of BE students at Suzlon Power Dondaicha on 19<sup>th</sup> Jan 2009.
- 2) Coordinator for the Industrial Visit of BE Students at MOH Bhusawal on 13/03/2009.
- 3) Coordinator for the Industrial Visit of BE students at 400 KV RS Division Khadaka Bhusawal on 10/02/10.
- 4) Coordinator for the Industrial Visit of BE students at POH Bhusawal 12/01/2011.
- 5) Coordinator for the Industrial Visit of SE students at R.M. Chemicals Pvt. Ltd. Dhule on 05/04/2011.
- 6) Coordinator for the Industrial Visit of SE students at Laurel Wires Ltd. Dhule on 05/04/2011.
- 7) Industrial Visit of BE Students at V.I.P Industries Nashik in year 2013-14.
- 8) Industrial visit of BE students at Dwaraka Industries, Jalgaon on 9<sup>th</sup> August 2016.
- 9) Industrial visit of BE students at Jain Irrigation System Ltd. A) 132 KV substation and Plastic park in year 2016-17 on 19<sup>th</sup> Sept 2016.

**15. Additional Information:**

1. Life Member of Indian Society for Technical Education (ISTE) - LM100325.
2. Visiting faculty at University Institute of Chemical Technology, NMU, Jalgaon from Feb. 15- April 15.
3. Expert Lecture on, “Symmetrical Components”, at Govt. College of Engineering, Jalgaon on 4<sup>th</sup> Oct. 2013.
4. Certificate of recognition for outstanding result in following subjects North Maharashtra University examination.

Year	Subjects
2011	Switchgear and Protection
2012	Switchgear and Protection
2013-14	Power System Operation and Control
2013-14	Electrical Installation Estimation and Distribution
2013-14	Switchgear and Protection
2014-15	Switchgear and Protection
2014-15	Electrical Installation Estimation and Distribution

**16. University Level works:**

- 1) Chairman and paper setter in various subjects for North Maharashtra University, Jalgaon
- 2) Examiner and Moderator for Central Assessment Programme (CAP) of North Maharashtra University, Jalgaon.
- 3) Examiner for University Practical Examination of NMU Jalgaon.

**Signature**