



## Bio-Data

**Dr. Atul Suresh Koshti**

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**Present Position** Associate Professor  
**Department/College** Electrical Engineering Department  
Gokhale Education Society's R. H. Sapat College of  
Engineering, Management Studies and Research, Nashik  
**Residential Address** 119, Greater Vaishali, Indore (M.P.) 452009

<b>Education</b>	<ul style="list-style-type: none"><li>• Passed High School (10<sup>th</sup>) certificate examination securing 75.38%</li><li>• Passed Higher Secondary School(12<sup>th</sup>) examination securing 68.23%</li><li>• Graduated in Electrical Engg. (BE) in the year 2001 with 79.23% (Honors) from SGSITS, Indore under RGPV, Bhopal(M.P)</li><li>• Postgraduate (ME) in Electrical Engg. (Power Electronics) from SGSITS, Indore under RGPV, Bhopal in the year 2003 with 88.96% (Honors).</li><li>• Awarded Ph.D. in the area of Power Systems(Electrical Engineering) with title 'Distributed Generation Capacity Planning and Optimization' on 23<sup>rd</sup> August 2012 from UIT, RGPV, Bhopal (M.P.)</li></ul>
<b>Work experience</b>	<p><b>Total Teaching experience is 16 years as follows:</b></p> <ul style="list-style-type: none"><li>• Worked as Lecturer in Electrical Engg. Dept, SGSITS, Indore from 13<sup>th</sup> Aug-2001 to 30<sup>th</sup> July 2003 (<b>2 years</b>).</li><li>• Worked as Lecturer in Electrical &amp; Electronics Engg. Dept. at MITM, Indore from 18<sup>th</sup> July 2005 to 14<sup>th</sup> June 2006 (<b>11 months</b>).</li><li>• Worked as Lecturer in Electrical Engg. Dept. at CITM, Indore from 19<sup>th</sup> June-2006 to 14<sup>th</sup> Feb-2008 (<b>1 year 8 months</b>).</li><li>• Worked as Reader in Electrical &amp; Electronics Engg. Dept. at IES, IPS Academy, Indore from 15<sup>th</sup> Feb-2008 to 12<sup>th</sup> Jan-2012 (<b>3 years 11 months</b>).</li><li>• Worked as Associate Professor in Electrical &amp; Electronics Engg. Dept. at SVCE, Indore from Jan-2012 to July-2014 and as Professor from July-</li></ul>

	<p>2014 onwards July-2016. <b>(16.01.2012-15.07.2016)-4 years 6 months</b></p> <ul style="list-style-type: none"> <li>• Worked as Associate Professor in Symbiosis University of Applied Sciences, Indore (M.P.) from 19 July-2016 to 30 June-2017 (<b>11 months</b>)</li> <li>• Presently working as Associate Professor in Gokhale Education Society's R. H. Sapat College of Engineering, Management Studies and Research, Nashik from 25.07.2017 to till date. (<b>2 Year</b>)</li> </ul>
<p><b>Other Activities &amp; Achievements</b></p>	<ol style="list-style-type: none"> <li>1. Currently research is being pursued in the area of Power System Optimization, Reliability Engg. and Artificial Neural Network applications to Power system.</li> <li>2. Reviewer of International Journal of Electrical Power and Energy Systems (Science-Direct, Elsevier).</li> <li>3. Reviewer in IET- Generation, Transmission and Distribution.</li> <li>4. Reviewer in Institution of Engineers, India (series-B).</li> <li>5. <b>Professional Membership details-Member, Institution of Engineers, India</b> from <b>31.03.2016 (M-</b></li> <li>6. <b>(Award-Union Ministry of Energy department of power prize certificate with Gold medal)</b> by Institution of Engineers, India for best paper in Journal of Institution of Engineers, Series-B (Springer) in Dec-2013 (details is given in annexure-A)</li> <li>7. <b>(Award-Pandit Madan Mohan Malviya Memorial Prize certificate with Gold medal)</b> by Institution of Engineers, India for best paper in Journal of Institution of Engineers, Series-B (Springer) in Dec-2015 (details is given in annexure-A)</li> <li>8. <b>Certificate of Appreciation</b> from Institution of Engineers, India for reviewing a paper which is downloaded from all across of globe (8 DEC 2015).</li> </ol>

<p><b>Courses taught (UG Level)</b></p>	<ul style="list-style-type: none"> <li>• Basic Electrical Engineering</li> <li>• Network Analysis</li> <li>• Power Systems</li> <li>• Computer Application to Power System.</li> <li>• Soft Computing Techniques and applications</li> <li>• Faults and System Protection.</li> <li>• Electrical Machines.</li> <li>• Computer Aided Electrical Machine Design</li> <li>• Electrical Measurements and Instrumentation</li> </ul>						
<p><b>Research Publication /Programs attended</b></p>	<p>Research papers published in national/International Journals, Conferences and programs attended. <b>(Annexure-A, B &amp; C)</b></p> <table border="1" data-bbox="516 751 1382 905"> <tr> <td data-bbox="516 751 1040 804">International Journal-07</td> <td data-bbox="1040 751 1382 804">National Journal-09</td> </tr> <tr> <td data-bbox="516 804 1040 856">International Conferences- 04</td> <td data-bbox="1040 804 1382 856">National Conferences-04</td> </tr> <tr> <td colspan="2" data-bbox="516 856 1382 905">Programs attended (workshop/seminar) -06</td> </tr> </table>	International Journal-07	National Journal-09	International Conferences- 04	National Conferences-04	Programs attended (workshop/seminar) -06	
International Journal-07	National Journal-09						
International Conferences- 04	National Conferences-04						
Programs attended (workshop/seminar) -06							

**Place: Nashik**

**(Dr. Atul Koshti)**

**Date: 03.07.2019**

ANNEXURE - A  
**Research Publications**  
List of papers published/accepted/communicated

Google Scholar citations		Scopus Citations	
<b>Total citation</b>	<b>: 153</b>	<b>Total citation</b>	<b>: 105</b>
<b>h-index</b>	<b>: 04</b>	<b>h-index</b>	<b>: 03</b>
<b>i-10 index</b>	<b>: 03</b>		

**International Journal of Electrical Power & Energy Systems (Elsevier-Science Direct)**

1. L.D. Arya, Atul Koshti, Anticipatory load shedding for line overload alleviation using Teaching learning based optimization (TLBO), International Journal of Electrical Power and Energy Systems, Vol. 63, Dec 2014, pp. 862-877. **(Impact Factor- 3.432) ISSN: 0142-0615**
2. L.D. Arya, Atul Koshti and S.C. Choube, 'Frequency-Duration analysis of composite distribution system using a non sequential Monte Carlo simulation', International Journal of Electrical Power and Energy Systems, Vol. 46, March 2013, pp. 17-25.**(Impact Factor- 3.432) ISSN: 0142-0615**
3. L.D. Arya, Atul Koshti and S.C. Choube, 'Distributed Generation planning using Differential evolution accounting voltage stability consideration', International Journal of Electrical Power and Energy Systems, Vol. 42, No 1. , November 2012, pp. 196-207.**(Impact Factor- 3.432) ISSN: 0142-0615**

**Journal of Institution of Engineers, India (Series-B) Springer**

1. L.D. Arya, Atul Koshti, 'Modified Shuffled Frog-Leaping Optimization Algorithm based Distributed Generation rescheduling for loss minimization', Journal of Institution of Engineers, India: Series-B (Springer edition), August-

2018, Vol. 99, No. 4, pp 397-405. **ISSN: 2250-2106 (print version) ISSN: 2250-2114 (electronic version)**

2. Atul Koshti, L.D. Arya and S.C. Choube, ‘Static load model determination using functional approximation based on Gaussian pulses and its comparison with ZIP load model’, Journal of Institution of Engineers, India: Series-B (Springer edition), April 2014, Vol. 95, No. 2, pp 129-133. **(Award-Pandit Madan Mohan Malviya Memorial prize) (Gold Medal with certificate) ISSN: 2250-2106 (print version) ISSN: 2250-2114 (electronic version)**
3. Atul Koshti, L.D. Arya and S.C. Choube, ‘Voltage stability constrained distributed generation planning using Modified Bare bones particle swarm optimization’, Journal of Institution of Engineers, India: Series-B (Springer edition), Vol. 94, no. 2, June-August 2013, pp. 123-133. **ISSN: 2250-2106 (print version) ISSN: 2250-2114 (electronic version)**
4. L.D. Arya and Atul Koshti, ‘Probabilistic Simulation Approach for Distributed Generation (DG) Capacity Evaluation using Artificial Neural Network Representation of Load Duration Curve’, Journal of Institution of Engineers (India) Series B (Springer edition), Vol. 93, No. 1, March-May 2012, pp. 57-62. **(Award-Union Ministry of Energy department power prize certificate) (Gold Medal with certificate) ISSN: 2250-2106 (print version) ISSN: 2250-2114 (electronic version).**

#### **Journal of Institution of Engineers, India**

1. L.D. Arya and Atul Koshti, ‘Distributed generation capacity reliability evaluation using safety index’, Journal of Institution of Engineers, India, Pt-El, Vol. 89, December 2008, pp. 3-7.

2. L.D. Arya and Atul Koshti, 'Identification of static load models using artificial neural networks', Journal of Institution of Engineers, India, Pt-EI, Vol. 88, March 2008, pp. 28-31. **ISSN: 2250-2106 (print version) ISSN: 2250-2114 (electronic version)**
3. L.D. Arya, Atul Koshti and P.K. Bhatt, 'Mitigation of harmonic content in PWM ac chopper using Particle swarm optimization (PSO) and implementation on ANN', Journal of Institution of Engineers, India, Pt-EI, Vol. 87, March 2007, pp. 32-36. **ISSN: 2250-2106 (print version) ISSN: 2250-2114 (electronic version)**

**ICFAI University Journal of Electrical & Electronics Engineering, India**

1. Chitransh Shrivastava, Manoj Gupta, Atul Koshti, 'Load Flow Analysis for Radial Distribution System Using Forward Backward Sweep Method', IUPJEEE, Vol. 8, No.4, 2015, pp. 51-61. **ISSN: 0974-1704**
2. Atul Koshti and L.D. Arya, 'Statistical evaluation of frequency of oscillation in circuit breaker using Monte Carlo simulation', IUPJEEE, Vol. 8, No.2, 2015, pp. 62-71. **ISSN: 0974-1704**
3. D K Rai, Atul Koshti and Rajeev Gupta, 'Design of Voltage Stability Indicator Using Continuation Load Flow, Modal Analysis and Schur's Inequality', IUPJEEE, Vol. 8, No.2, 2015, pp. 7-24. **ISSN: 0974-1704**
4. Atul Koshti, L.D. Arya, Rajesh Ahirwar and Manoj Gupta, 'Statistical evaluation of restriking voltage characteristics using Monte Carlo simulation', IUPJEEE, India, Vol. VI, No. 3, July-2013, pp. 7-16. **ISSN: 0974-1704**

5. L.D. Arya and Atul Koshti, 'Adequacy assessment of a distribution system having distributed generators (DG) under extreme distributions', IUPJEEE. Pt-EI, Vol. III, No. 3, July 2010, pp. 42-48. **ISSN: 0974-1704**
6. L.D. Arya and Atul Koshti, 'Distributed generation (DG) capacity planning using artificial neural network and Monte carlo simulation', IUPJEEE, Pt-EI, Vol. II, No. 2, April 2009, pp. 17-27. **ISSN: 0974-1704**

#### **Conference Papers (National/ International)**

1. S.G. Halve, A. Koshti and R. Arya, 'Statistical Analysis for Active Power Loss Incorporating Distributed Generation in Distribution System', IEEE conference ICECA 2019, Coimbatore. **(Accepted & presented). ISBN: 978-1-7281-0167-5**
2. Ashwini Tidke and A. Koshti, 'Differential Evolution based Voltage Injection Scheme for Maintaining Constant Load Voltage', IEEE conference ICECA 2019, Coimbatore. **(Accepted & presented). ISBN: 978-1-7281-0167-5**
3. P. Purey, Atul Koshti and L.D. Arya, 'Evaluation of state probabilities based on deterministic criterion for a distribution system with distributed generation employing boot strapping technique', IEEE conference ICICIC-2017, 17-19 Aug. 2017, MITM, Indore.
4. Atul koshti, P. Purey, L.S. Titare and L.D. Arya, 'Reliability evaluation of distribution system accounting distributed generation using functional link network', IEEE conference ICPS-2009, Dec. 27-29, IIT Kharagpur, pp.1-6.
5. Atul Koshti, Rajesh Ahirwar and L.D. Arya, 'Distributed generation capacity optimization using local search method', AICTE sponsored National conference

on Emerging Technological Trends NCETT-2010, VNS Instt. of Technology, Bhopal, March 19-20<sup>th</sup> 2010.

6. Atul Koshti, P. Purey and L.D. Arya, 'Reliability evaluation of Distribution system using Functional Link Network with Normally Distributed Capacity and Load', National conference on Challenges of power sector in 21<sup>st</sup> century, 13-14 November 2007, GEC, Jabalpur, pp. 1-4.
7. Atul Koshti, Ashish Garg and L.D. Arya, 'Evolutionary strategy based artificial neural network for identification of static load model', AEE 2006, 29-30 November 2006, MITS, Gwalior, pp. 366-368.
8. Rajesh Arya and Atul Koshti, 'Two-Membered Evolution strategy based Economic Load Dispatch', CGTTM-2011 conference, LNCT, Indore from 18-20<sup>th</sup> Aug 2011.



**ANNEXURE – B**  
**Research Based Activities**

- Reviewer in “**International Journal of Electrical Power and Energy System by Science Direct (Elsevier)**”.
- Reviewer in Journal International Journal **IET-Generation, Transmission & Distribution**.
- Reviewer in Journal Of **Institution of Engineers, India Series-B (Springer)**
- Involved in Consultancy work with Akash Electricals, Nashik under Dr. G.M. Dhole, Professor, Electrical Engineering Department, R.H. Sapat College of Engineering, Management Studies and Research, Nashik.

**ANNEXURE – C**  
**List of Programs attended**

1. A program on Teaching Methodology for development of teachers organized in SGSITS by TTTI, Bhopal for 5 days is attended (**From 4-8<sup>th</sup> February 2002**).
2. Attended National workshop TEQIP sponsored on Advances in Power Systems at SGSITS, Indore from **23-24 Feb 2007**.
3. Attended all India Seminar on Development of Green Fuels for Energy Security & Environmental Protection by IE, India in IES, IPS Academy, Indore (**4-5<sup>th</sup> September 2009**).
4. Attended Workshop on Application of Soft Computing Techniques in Electrical & Electronics Engineering (ASCTEE-2009) in IES, IPS Academy, Indore (M.P.) (**6-7<sup>th</sup> February 2009**).
5. Attended Workshop on MATLAB and SIMULINK in IES, IPS Academy, Indore (M.P.) (**4-5<sup>th</sup> November 2011**).
6. A program MISSION-10 X by WIPRO Organized in SVCE, Indore is attended for 3 days along with DEL CARNEGIE certification for technical teachers improvement program. (**28 May-1<sup>st</sup> June 2012**).