

## Faculty Profile: Electrical Engineering Department

1	Full Name of the Faculty	Dr. Dattesh Yogeshkumar Joshi
2	Designation	Associate Professor
3	Email id	<a href="mailto:datteshjoshi.ee@bitseducampus.ac.in">datteshjoshi.ee@bitseducampus.ac.in</a>
4	Contact number	9904981945
5	Total Experience	10 Years & 4 Months
	Teaching (years, months)	9 Years & 4 Months
	Industry (years, months)	1 Year
6	Professional Summary	<ul style="list-style-type: none"> <li>• Working as an Associate Professor in Electrical Engineering Department of BIT,</li> <li>• Worked as a Graduate Engineer Trainee (GET) at M/s Eliokem India Pvt. Ltd (At –Village-Dungri, Taluka-Valia, Dist.-Bharuch, Gujarat.)</li> <li>• Associate Member of Institution of Engineers (India),</li> <li>• Member of International Association of Engineers (IAENG)</li> </ul>
7	Current Activities	<ul style="list-style-type: none"> <li>• Department Project Committee Coordinator,</li> <li>• Department NBA Committee Co-Coordinator,</li> <li>• Hostel Committee Member (SDBS Boys Hostel)-BITS Edu Campus</li> </ul>
8	Specialization Areas	<ul style="list-style-type: none"> <li>• Distributed Generation System,</li> <li>• Electrical Machines,</li> <li>• Electrical Machine Design</li> </ul>
9	Subject Taught (UG/PG)	<ul style="list-style-type: none"> <li>• Testing &amp; Commissioning of Electrical Equipments,</li> <li>• Design of AC Machines,</li> <li>• Design of DC Machines &amp; Transformer,</li> <li>• DC Machines &amp; Transformer,</li> <li>• AC Machines</li> </ul>
10	Qualifications	<p>Ph. D in Electrical Engineering (2017) Pacific University- Udaipur, Rajasthan</p> <p>M. Tech (Electrical Engineering) (2010) Sardar Vallabhbhai National Institute of Technology, Surat.</p> <p>B.E. (Electrical ) (2007) Veer Narmad South Gujarat University, Surat.</p>
11	Skills	Proficiency in Matlab, Lab-View simulation software
12	Achievements	<ul style="list-style-type: none"> <li>▪ Secured 1059 All India ranks in GATE-2008 with 93.09 percentile. (Graduate Aptitude Test in Engineering),</li> <li>▪ Appreciation for Best paper presented in All India Seminar on Energy Management and Audit Organized by The Institution of India (India).</li> <li>▪ Gujarat Technological University Innovation Sankul</li> </ul>

		<p>Vadodara; 1, In recognition of the distinguished service rendered, Department of Electrical Engineering, BITS Edu Campus, Varnama, Vadodara is adjudged Best Project Guide for the Year 2012.</p> <ul style="list-style-type: none"> <li>▪ A guided project at UG level selected in Top 65 Innovations at the “Switch Global Expo-2016” during 6<sup>th</sup> Oct. to 10<sup>th</sup> Oct., 2016.</li> <li>▪ Guided Project selected to exhibit in the innovation corner at “Vibrant Gujarat Start-up Summit 2016”.</li> </ul>
13	Research Project	Nil
14	Publications	<ol style="list-style-type: none"> <li>1. Dynamic Modelling, Analysis and Simulation of Distributed Generation System with FACTS Devices-SVC &amp; STATCOM, Discovery The International Daily Journal, 21 October 2015, Page No. 32-37, ISSN No.-2278-5469, EISSN 2278-5450.</li> <li>2. Power Quality of Grid Connected Distributed Generation System: Role of FACTS Device, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.3, Issue 2, February 2015, ISSN (Online) 2321-2004, ISSN (Print) 2321-5526, DOI 10.17148/IJIREEICE.2015.3213, Page No. 50-53.</li> <li>3. New Method for Islanding Detection of Distributed Generation System, International Journal of Advance Research in Engineering, Science &amp; Technology, Vol. 3, Issue 1, January 2016, e-ISSN: 2393-9877, p-ISSN: 2394-2444.</li> <li>4. Voltage Stability &amp; Power Quality Assessment of Distributed Generation Based Wind Farm System, International Journal for Scientific Research &amp; Development, Vol. 1, Issue 5, 2013, ISSN (Online): 2321-0613, Page No. 1073-1076.</li> <li>5. Dynamic Modelling, Analysis and Simulation of Distributed Generation System with FACTS Devices-SSSC &amp; UPFC, International Journal of Advance Engineering and Research Development, Vol. 4, Issue 6, June-2017, e-ISSN (O): 2348-4470, p-ISSN (P): 2348-6406.</li> <li>6. Role of FACTS Device with Distributed Generation System, JASC: Journal of Applied Science and Computation, UGC Approved, Volume 5, Issue 11, November 2018, ISSN NO: 1076-5131, DOI: 16.10089, Page No: 652.</li> <li>7. Energy Management of Distributed Generation in Micro Grid System, JASC: Journal of Applied Science and Computation, UGC Approved, Volume 5, Issue 11, November 2018, ISSN NO: 1076-5131, DOI: 16.10089,</li> </ol>

		<p>Page No: 641.</p> <ol style="list-style-type: none"> <li>8. Electrical Fault Detection in Three Phase Induction Motor by Vibration Analysis using Piezoelectric Accelerometer, 1<sup>st</sup> International Conference on Current Trends in Technology, NUiCONE 2010, Nirma University, Ahmedabad, Gujarat, 09-11 December, 2010.</li> <li>9. Power Quality Improvement using Static Compensator on Grid Integration of Wind Energy System, 2<sup>nd</sup> IEEE, International Conference on Current Trends in Technology- NUiCONE 2011, Nirma University, Ahmedabad, Gujarat, 08-10 December, 2011.</li> <li>10. Power Loss Decomposition Technique in Deregulated Electrical Market for Effective Power System Operation, 2018 IEEE International Conference on Current Trends towards Converging Technologies, SVS College of Engineering, Coimbatore, Tamil Nadu, India, 01-03, March 2018.</li> <li>11. Energy Management in Distributed Generation, All India Seminar on Energy Management and Audit Organized by The Institution of India (India), Gujarat State Centre In Association with Birla Vishvakrama Maha Vidhyalaya, V.V.Nagar, 26-27 October, 2018.</li> <li>12. Distributing Electrical Energy Efficiently and Economically in Rural India: The Micro-Grid Option, Power systems, Embedded systems, Power electronics, Communication, Control and Instrumentation- PEPCCI-2014, 23-25 January-2014, Page No. 153-157, ISBN 978-81-923462-2-9.</li> <li>13. The Contribution of Wind Energy for Green Energy &amp; Environment in India, Power systems, Embedded systems, Power electronics, Communication, Control and Instrumentation- PEPCCI-2013, 28<sup>th</sup> to 30<sup>th</sup> Jan.-2013.</li> <li>14. Overview of Transmission Line Loss Separation between Generation and Load for Restructuring Electrical Industries, Power systems, Embedded systems, Power electronics, Communication, Control and Instrumentation- PEPCCI-2013, 28<sup>th</sup> to 30<sup>th</sup> Jan.-2013.</li> <li>15. Operation of D-STATCOM for Voltage Control in Distribution Networks with a New Control Strategy, Recent Trends in Engineering and Technology, BVM College, V.V. Nagar, 13<sup>th</sup> &amp; 14<sup>th</sup> May 2011.</li> </ol>
15	Activities and honours	<ul style="list-style-type: none"> <li>▪ Reviewer in International Journal of Creative Research Thoughts-IJCRT, international peer reviewed Journal.</li> <li>▪ Designated as Reviewer in 2<sup>nd</sup> International Conference (PiCET-2019): Smart Engineering” on 24-25, May</li> </ul>

		<p>2019.</p> <ul style="list-style-type: none"> <li>▪ Attended as a Project Team Mentor in “Gujarat Industrial Hackathon 2018-19”, organized by Higher and Technical Education Department, Government of Gujarat, Hosted at AURO University, Surat, Gujarat on 19<sup>th</sup> &amp; 20<sup>th</sup> February 2019.</li> <li>▪ Attended two days seminar on “Recent Trends in Power Electronics &amp; Embedded Systems” at Babaria Institute of Technology, BITS Edu Campus on 4<sup>th</sup> &amp; 5<sup>th</sup> January 2019.</li> <li>▪ Performed the duty of Technical committee Co-ordinator in GTU Tech-Fest-2018 in association with BITS Edu Campus.</li> <li>▪ Attended one week STTP on “Power System Modelling, Analysis and Control” at G.H.Patel College of Engineering &amp; Technology, V.V.Nagar from 10<sup>th</sup> to 15<sup>th</sup> December 2018.</li> <li>▪ Attended All India Seminar on “Energy Management and Audit” at The Institution of India (India), Gujarat State Centre In Association with Birla Vishvakrama Mahavidhyalaya at BVM, V. V. Nagar, on 26<sup>th</sup> &amp; 27<sup>th</sup> October, 2018.</li> <li>▪ Attended one day workshop on “Internet of Things” at Babaria Institute of Technology, BITS Edu Campus on 25<sup>th</sup> March 2018.</li> <li>▪ Reviewer of “All India Seminar on Recent Trends in Renewable Energy Application &amp; Research”, Organized by Gujarat State Centre, The Institute of Engineers (INDIA), February 16-17, 2018.</li> <li>▪ Attended two days seminar on “Recent Trends in Renewable Energy Application &amp; Research”, Organized by The Institution of Engineers (India), Gujarat State Centre at Ahmedabad on 16<sup>th</sup> &amp; 17<sup>th</sup> February 2018.</li> <li>▪ Performed the duty of Registration Committee Co-ordinator of “KHOJ-2017”- A State Level Science Exhibition &amp; Competition at BITS Edu Campus, 11<sup>th</sup> February, 2017.</li> <li>▪ Skill Enhancement Training on “Overview and Switching Operations of Switchyard Equipments” at 66kV GIS &amp; AIS</li> </ul>
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		<p>at FGI, Vadodara, 2th &amp; 3<sup>rd</sup> December, 2011.</p> <ul style="list-style-type: none"> <li>▪ Attended Two week training on “Programmable Logic Controllers (Allen Bradley)” at Vijaya Technical Training Institute, Vadodara from 1/1/2007 to 12/1/2007.</li> </ul>
16	Grant Received	Nil