

<b>Name of the Faculty</b>	Dr. Samir Hashamukhbhai Patel
<b>Designation</b>	Associate Professor
<b>Email id</b>	<a href="mailto:samirpatel.ee@bitseducampus.ac.in">samirpatel.ee@bitseducampus.ac.in</a>
<b>contact number</b>	9898824935
<b>Total Experience</b>	09 Years 11 Months
<b>Teaching (years, months)</b>	09 Years 02 Months
<b>Industry (years, months)</b>	09 Months
<b>Professional Summary</b>	<p>Working as an Associate Professor in Electrical Engineering Department of BIT.  Worked as a Lecturer in Electrical Engineering Department at LDRP-ITR, Gandhinagar.  Worked as a Lecturer in Electrical Engineering Department at BIT.  Worked as an Electrical Engineer at Asia Telecom Pvt. Ltd.. Ahmeddabad.  Associate Member of Institution of Engineers (India),  Member of International Association of Engineers (IAENG)</p>
<b>Current Activities</b>	<p>Department Time Table Coordinator  Department NBA Committee Member</p>
<b>Specialization Areas</b>	<p>Restructured Power System  Power System Planning and Design  Power System Operation and Control</p>
<b>Subject Taught (UG/PG)</b>	<p>Electrical Power Generation  Interconnected Power System  Power System Planning and Design</p>
<b>Qualifications</b>	<p>Ph.D in Electrical Engineering (2017)  Pacific University- Udaipur</p> <p>M.Tech (Electrical Power Engineering) (2010) (First Class)  Faculty of Technology and Engineering, M.S. University-Vadodara</p> <p>B.E. (Electrical ) (2007) (First class)  Government Engineering College – Bhuj, Gujarat University – Ahmedabad</p>
<b>Skills</b>	Simulation software like Matlab, Mi-Power
<b>Achievements</b>	<ul style="list-style-type: none"> <li>▪ Secured 1300 All India ranks in GATE-2008 with 91.45 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> </ul>
<b>Research Project Publications</b>	<p>Nil</p> <p>1. Emerging Trends in Deregulated Indian Power Sector, Discovery The International Daily Journal, 21<sup>st</sup> October 2015, Page No. 69-74, ISSN No.-2278-5469, EISSN 2278-5450.</p>

2. Deregulated Power Market: Loss Allocation by Using Generators Voltage Difference in Electric Power Industries, 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. 45-49.
3. A Method for Separation and Minimization of Generation, Loads and Transmission Losses in Restructured Electrical Power Market, International Journal of Advance Research in Engineering, Science & Technology, Vol. 3, Issue 1, January 2016, e-ISSN: 2393-9877, p-ISSN: 2394-2444, Page No.85-92.
4. Restructured Power System: Transmission Loss Allocation between Generators and Loads Using Innovative Mathematical Approach, International Journal of Advance Engineering sand Research Development, Volume 4, Issue 6, June -2017, e-ISSN (O): 2348-4470 p-ISSN (P): 2348-6406, Page No.540-546.
5. 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.
6. 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, Page No: 641.
7. 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.
8. 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 Vishvakarama Maha Vidhyalaya, V.V.Nagar, 26-27 October, 2018.
9. Transmission Power Loss Allotment Between Generators and Loads under Open Access Deregulated Markets, Contemporary Issues in Engineering & Technology, 19<sup>th</sup> – 21<sup>st</sup> March, 2014.
10. Separation of Power Loss between Generators and Loads in Restructured Power System, Emerging Trends in Engineering & Technology (IETET – 2013), 25<sup>th</sup> – 27<sup>th</sup> October, 2013.
11. Transmission Power Loss separation through Loss Function Disintegration in Deregulated Electrical Markets, Power Systems, Embedded Systems, Power Electronics, Communication, Control & Instrumentation-2014 PEPCCI-2014, 23<sup>th</sup> - 25<sup>th</sup> January, 2014.
12. 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.
13. Wind Power: An Emerging Alternate of Power Generation Using

Doubly – Fed Induction Generators, Wind Power, at FGI Vadodara, 4<sup>th</sup> - 5<sup>th</sup> Feb., 2011.

14. Fixed Speed Induction Generator Using Flexible AC Transmission System Controller – STATCOM, Wind Power, at FGI Vadodara, 4<sup>th</sup> - 5<sup>th</sup> Feb., 2011.

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> & 14<sup>th</sup> May 2011.

#### **Activities and honours**

- Reviewer in International Journal of Creative Research Thoughts-IJCRT, international peer reviewed Journal.
- Attended two days seminar on “Recent Trends in Power Electronics & Embedded Systems” at Babaria Institute of Technology, BITS Edu Campus on 4<sup>th</sup> & 5<sup>th</sup> January 2019.
- Attended one week STTP on “Power System Modelling, Analysis and Control” at G.H.Patel College of Engineering & Technology, V.V.Nagar from 10<sup>th</sup> to 15<sup>th</sup> December 2018.
- Attended All India Seminar on “Energy Management and Audit” at The Institution of India (India), Gujarat State Centre In Association with Birla Vishvakarama Mahavidhyalaya at BVM, V. V. Nagar, on 26<sup>th</sup> & 27<sup>th</sup> October, 2018.
- Attended one day workshop on “Internet of Things” at Babaria Institute of Technology, BITS Edu Campus on 25<sup>th</sup> March 2018.
- Reviewer of “All India Seminar on Recent Trends in Renewable Energy Application & Research”, Organized by Gujarat State Centre, The Institute of Engineers (INDIA), February 16-17, 2018.
- Attended two days seminar on “Recent Trends in Renewable Energy Application & Research”, Organized by The Institution of Engineers (India), Gujarat State Centre at Ahmedabad on 16<sup>th</sup> & 17<sup>th</sup> February 2018.
- Performed the duty of Registration Committee Co-ordinator of “KHOJ-2017”- A State Level Science Exhibition & Competition at BITS Edu Campus, 11<sup>th</sup> February, 2017.
- Skill Enhancement Training on “Overview and Switching Operations of Switchyard Equipments” at 66kV GIS & AIS Substation- Halol Project (Project executed by SIEMENS from 6<sup>th</sup> June to 11<sup>th</sup> June, 2016).
- Performed the duty of Assistant Nodal Officer from BITS Edu Campus for Switch Global Expo-2016.
- Attended two days workshop on “Graphical System Design in Engineering

Applications”, at Babaria Institute of Technology on 15<sup>th</sup> & 16<sup>th</sup> July 2015.

- Attended two days Symposium on “National Skill Development & Education Symposium” at FGI, Vadodara on 31<sup>st</sup> Jan. and 1<sup>st</sup> February, 2014
- Attended one day seminar on “Eradicating Classroom Boundaries in Effective Teaching (High Tech \_ Low Tech \_ No Tech)”, Organized by S & H Department, Babaria Institute of Technology, BITS Edu Campus on 2<sup>nd</sup> November 2014.
- Attended two days workshop on “Power System Analysis Using Mi-Power” at Sankalchand Patel College of Engineering-Visnagar on 4<sup>th</sup> and 5<sup>th</sup> March, 2013.
- Attended two days workshop on “ Recent Trends in Power System Restructuring” at Sankalchand Patel College of Engineering-Visnagar on 4<sup>th</sup> and 5<sup>th</sup> March, 2013.
- Attended one day seminar on “Developing Student Friendly Approach among the Teachers with ICT”, Organized by S & H Department, Babaria Institute of Technology, BITS Edu Campus on 4<sup>th</sup> July November 2013.
- Attended One day workshop on “Patent Search Methodology” at BITS Edu Campus on 20<sup>th</sup> October 2012.
- Attended one week STTP on “Grid Connected Wind Farm System” sponsored by CEPT, Orgainzed by Electrical Engineering Department, Babaria Institute of Technology, BITS Edu Campus, 9<sup>th</sup>-12<sup>th</sup> January, 2012.
- Attended One day workshop on “Electrical Installation of Major Industrial Units” at Faculty of Technology & Engineering, Vadodara, on 7<sup>th</sup> May, 2010

**Grant Received**

Nil