

Name of the Faculty	Dr. Samir Hashamukhbhai Patel
Designation	Assistant Professor
Email id	samirpatel.ee@bitseducampus.ac.in
contact number	9898824935
Total Experience	09 Years 04 Months
Teaching (years, months)	08 Years 07 Months
Industry (years, months)	09 Months
Professional Summary	<p>Working as an Assistant Professor in Electrical Engineering Department of BIT.</p> <p>Worked as a Lecturer in Electrical Engineering Department at LDRP-ITR, Gandhinagar.</p> <p>Worked as a Lecturer in Electrical Engineering Department at BIT.</p> <p>Worked as an Electrical Engineer at Asia Telecom Pvt. Ltd.. Ahmeddabad.</p> <p>Associate Member of Institution of Engineers (India),</p> <p>Member of International Association of Engineers (IAENG)</p>
Current Activities	<p>Department Time Table Coordinator</p> <p>Department NBA Committee Member</p>
Specialization Areas	<p>Restructured Power System</p> <p>Power System Planning and Design</p> <p>Power System Operation and Control</p>
Subject Taught (UG/PG)	<p>Electrical Power Generation</p> <p>Interconnected Power System</p> <p>Power System Planning and Design</p>
Qualifications	<p>Ph.D in Electrical Engineering (2017)</p> <p>Pacific University- Udaipur</p> <p>M.Tech (Electrical Power Engineering) (2010) (First Class)</p> <p>Faculty of Technology and Engineering, M.S. University-Vadodara</p> <p>B.E. (Electrical) (2007) (First class)</p> <p>Government Engineering College – Bhuj, Gujarat University – Ahmedabad</p>
Skills	Simulation software like Matlab, Mi-Power
Achievements	<ul style="list-style-type: none"> ▪ Secured 1300 All India ranks in GATE-2008 with 91.45 percentile. (Graduate Aptitude Test in Engineering). ▪ Appreciation for Best paper presented in All India Seminar on Energy Management and Audit Organized by The Institution of India (India).
Research Project Publications	<p>Nil</p> <ol style="list-style-type: none"> 1. Emerging Trends in Deregulated Indian Power Sector, Discovery The International Daily Journal, 21st October 2015, Page No. 69-74, ISSN No.-2278-5469, EISSN 2278-5450.

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/IJIREEEICE.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, 19th – 21st March, 2014.
10. Separation of Power Loss between Generators and Loads in Restructured Power System, Emerging Trends in Engineering & Technology (IETET – 2013), 25th – 27th 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, 23th - 25th 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, 28th to 30th Jan.-2013.
13. Wind Power: An Emerging Alternate of Power Generation Using

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

14. Fixed Speed Induction Generator Using Flexible AC Transmission System Controller – STATCOM, Wind Power, at FGI Vadodara, 4th - 5th 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, 13th & 14th 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 4th & 5th 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 10th to 15th 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 26th & 27th October, 2018.
- Attended one day workshop on “Internet of Things” at Babaria Institute of Technology, BITS Edu Campus on 25th 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 16th & 17th February 2018.
- Performed the duty of Registration Committee Co-ordinator of “KHOJ-2017”- A State Level Science Exhibition & Competition at BITS Edu Campus, 11th 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 6th June to 11th 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 15th & 16th July 2015.

- Attended two days Symposium on “National Skill Development & Education Symposium” at FGI, Vadodara on 31st Jan. and 1st 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 2nd November 2014.
- Attended two days workshop on “Power System Analysis Using Mi-Power” at Sankalchand Patel College of Engineering-Visnagar on 4th and 5th March, 2013.
- Attended two days workshop on “ Recent Trends in Power System Restructuring” at Sankalchand Patel College of Engineering-Visnagar on 4th and 5th 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 4th July November 2013.
- Attended One day workshop on “Patent Search Methodology” at BITS Edu Campus on 20th 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, 9th-12th January, 2012.
- Attended One day workshop on “Electrical Installation of Major Industrial Units” at Faculty of Technology & Engineering, Vadodara, on 7th May, 2010

Grant Received

Nil