

Full Name of the Faculty	Mr. Rajan Ravindra Modha
Designation	Assistant Professor
Email id	rajanmodha.ee@bitseducampus.ac.in
contact number	9724735257
Total Experience	
Teaching (years,months)	03 years 00 months
Industry (years, months)	01 years 00 months
Professional Summary	<ul style="list-style-type: none"> • Working as an Assistant Professor in Electrical engineering Department of BIT from 2018. • worked at Vadodara Institute of Engineering (VIE), Baroda during Aug 2016-May 2018. • Life member of ISTE, Institution of Engineers (IE), and Society of Power Engineers.
Current Activities	<ul style="list-style-type: none"> • Assistant Professor in Electrical Engineering Department-BIT • Project guide in Design engineering.
Specialization Areas	<ul style="list-style-type: none"> • Solar Photovoltaic • Distributed Generation • DC Machine • AC Machine • Power system
Subject Taught (UG/PG)	<ul style="list-style-type: none"> • Elements of Electrical Engineering, • Interconnected power system, • DC Machine and transformer, • AC Machine
Qualifications	<ul style="list-style-type: none"> • M.Tech (Electrical Power systems) (2016) (Stipendiary students) Institute of Technology, Nirma University , Ahmedabad • B.E. (Electrical) (2013) (First class with distinction) Gujarat Technological University
Skills	Software Tools : MATLAB, PSIM, PSCAD, PC1D, PVsyst, LaTeX
Achievements	I have superior typing speed W.P.M. is 40. I have also passed G.C.C. exam with Distinction, which was organized by Government of Gujarat.
Research Project	Nil
Publications	<p>[1] Paresh Modha and Rajan Modha, “Impact of Distributed Generation on Distribution System Protection with Static Load Models”, in Proceedings of NCRDCE 2015, April 2015, pp. 10.</p> <p>[2] Paresh Modha and Rajan Modha, “Impact of Distributed Generation on Distribution System Protection with Static Load Models”, in VIER Journal of Engineering Research, Issue-2 August- 2015, pp. 97-101. ISSN No.: 2349-9079.</p>

[3] Rajan Modha , Hemang S. Pandya, Paresh Modha, “Estimation, Design and Simulation of Ground-mounted Grid connected 1 MW Solar PV System” 9th ICEBE & 6th ICIE Ahmedabad at GTU in February 24-26,2016 ISBN :978-3-942100-43-4 pp 332-335

[4] Rajan Modha, Paresh Modha, Minesh Joshi, “Solar Cell design in PC1D simulator for Maximum Efficiency”, in Proceedings of NCRRDCE 2017, April 2017.

[5] Rajan Modha, Paresh Modha, Minesh Joshi, “Elimination of most Dominant odd Harmonics by Different Methods”,in Proceedings of NCRRDCE 2017, April 2017.

[6] “Energy Performance Assessment of Lightning system like LED Lightning Device”. Lighting India, Chary Publication, Mumbai Vol 12, May-June 2017, pp. 28-32

[7] “Energy Conservation for Air Conditioner”. Cooling India, Chary Publication, Mumbai Vol 12, May-June 2017, pp. 22-26

[8] Rajan Modha, “Design of Grid connected Solar PV System in PVsyst”, 22nd ISTE State Annual Faculty Convention, jointly organized by ISTE Gujarat Section.

[9] “Internet of Things (IOT) in HVAC”. Cooling India, Chary Publication, Mumbai Vol 12, November 2018, pp. 34-36

Activities and honours

- Organized one day workshop on “Energy Conservation Awareness”, conducted by GEDA, 2016 & 2017 at Vadodara Institute of Engineering for B.E. final year students of Electrical and EC Department.
- Organized one day workshop by Petroleum Conservation Research Association (PCRA) “Energy Conservation Awareness”, 2018 at Vadodara Institute of Engineering for B.E. final year students of Electrical and EC Department.
- Departmental Newsletter co-ordinator at Vadodara institute of Engineering for year 2017-2018.
- 3 Days workshop on Recent Advances in Power Systems at SVIT Vasad.
- 2-Days Workshop on Recent Trends in Power system Protection at ADIT, Karmasad.
- 2- Days workshop on Recent Trends in Renewable Energy Technology

and Grid interconnection, SVIT, Vasad.

- One day workshop on “LATEX- A document Preparation system” at GTU- Chandkheda.
- One Week STTP On “Theory and Hands-on Practice on Electrical Machines and Power System” 06-10 March, 2017 A. D. Patel Institute of Technology, New V V Nagar.
- One Week STTP on “Recent Trends in Electrical Power System Research” 4-9 December, 2017, VIER, Vadodara.
- One Week QIP Workshop On “Renewable Energy Source for Sustainable Development: Need, Technologies and Policies” 25th-30th December, 2017, VJTI, Mumbai.
- One day Seminar on “Energy Conservation Awareness” at Babaria Institute of Technology, Vadodara.
- Rs. 10000 received twice for conducting “Energy Conservation Awareness” seminars at Vadodara Institute of Engineering from GEDA.

Grant Received