

<b>Name of Faculty</b>	Hetal Mayur Pathak
<b>Designation</b>	Assistant Professor
<b>Email id</b>	hetalpathak.ec@bitseducampus.ac.in
<b>Contact number</b>	9427983952
<b>Total Experience</b>	
<b>Teaching</b>	16 years 09 months
<b>Industry</b>	0 years 0 months
<b>Professional Summary</b>	Working as Assistant Professor in Electronics and Communication Engineering Department of BIT from 2009. Worked at various positions like Lecturer in IME and IETE, PG faculty at GTU, Paper setter at GTU for UG as well as PG, Life member of IETE
<b>Current Activities</b>	Assistant Professor in Electronics and Communication Engineering Department-BIT,
<b>Specialization Areas</b>	RF / Antenna design and Microwave Engineering.
<b>Subject Taught (UG/PG)</b>	<p>Basic Electrical Engineering  Digital Electronics  Electronics Communication  Digital Communication  Antenna and Wave Propagation  Microwave Engineering  Data Communication Network  RADAR and Navigation aids</p> <p>Information theory and coding  Antenna Engineering Design  Antenna Radiating Systems  Advanced Digital Communication  Introduction to Artificial Intelligence</p>
<b>Qualifications</b>	<p>Ph.D in Electronics and Communication Engineering (2013)  CMJ University- Meghalaya.</p> <p>M.E (Communication Systems Engineering) (2007)  Gujarat University, Ahmedabad</p> <p>P.B.Sc.B.E. (Electronics ) (1996)  M.S. University-Vadodara</p>
<b>Skills</b>	Well versed in simulation software like HFSS, Matlab, Basics of Antenna and Design concept, Microwave Components design and simulation for High frequency application
<b>Achievements</b>	Awarded in International women Empowerment technical conference at CIT, Changa 2009.
<b>Research Project</b>	Nil
<b>Publications</b>	

1. "Novel Design of Octagonal Ring Antenna" International Journal of Science and Advanced Technology, IJSAT- May 2012
2. "Novel Design Microstrip patch antenna with Multiband applications" ICMARS – Jodhpur ( ISSN : 0975-4202) on 22-23 Dec-2012.
3. "Effect of Different Dielectric Material on the Performance of Rectangular Microstrip Patch Antenna Design" in International Journal of Computer and Electronics Engineering , Dec-2013.
4. "Design of Microstrip Antenna using Multilayer of Different Dielectric Material" in National Conference SVIT , Vasad "PEPCCI-2013.
5. "Self-Complementary Antenna Design" ISSP on 29 to 1st Feb- GCET,VV Nagar-2013.
6. "Design of log periodic dipole Array Using two side with comparing two dielectric material results" International conference CRD-ETS-2013 G.K BHARAD Institute of Technology, Tramba, Rajkot-2013.
7. "Patch Antenna Design for Dual Band Applications" in International conference on ICMIRA-SMVDU , Katra , Jammu & Kashmir-2013.
8. "Design of log periodic dipole Array Using one side with comparing two dielectric material results" in IJARCSEE (International journal of Advanced Reaserch in computer science and EC Engineering 2013.
9. "Dual Polarized MIMO Patch Antenna for Wi-Fi Application" IJIRCCE ISSN (Print): 2320 - 9798, Volume 4, Issue 11, November 2016.
10. "Comparative analysis for 1 and 2 element dual polarized MIMO patch Antenna" In ICMARS conference Feb-2017
11. "A Review on Four Degrees of Freedom (DOF) Wireless Robotic Arm based on LabVIEW Software" In International Journal of Computer applications-ISSN:0975-8887, Vol-180-No.29, 26th March-2018.

**Activities and honours**

- Seminar for 11<sup>th</sup> and 12th standard School students "Career counseling Program" in Bharuch, Anand, Panchmahal, Vadodara, Rajpipala and Dahod District.

**Grant Received**

Nil