

Name of Teaching Staff	: Prof. Shivani Bhattacharjee
Designation	: Assistant Professor
Department	: Electronics & Telecommunication Engineering
Date of Joining the Institution	: 18.7.2011
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Google Scholar Link	: https://scholar.google.com/citations?user=Lb1MqXoAAAAJ&hl=en
Research gate Link:	: https://www.researchgate.net/profile/Shivani-Bhattacharjee
ORCID	: https://orcid.org/my-orcid?orcid=0000-0003-2141-5304
Qualifications with Class / Grade	: <ol style="list-style-type: none"> 1. M.Tech. – Electronics & Telecommunication Engineering from MDU in July, 2010, 1st class with Distinction 75.6%. 2. B.E. – Instrumentation from NMU in June 2004, 1st class 65.6%.
Total Experience in Years	: <p><u>Teaching: 16 years</u></p> <ol style="list-style-type: none"> 1. Assistant Professor, D.J. Sanghvi College of Engineering from 18.7.2011 to till date. 2. Assistant Professor, K J Somaiya College of Engineering, Vidyavihar from 01.02.2011 to 30.05.2011 3. Lecturer, Apeejay College of Engineering, Gurgaon from 01.10.2005 to 10.01.2011 <p><u>Industry</u>-- Quality Assurance Executive ,SKN Bentex from 01.07.2004 to 30.09.2005</p>



<p>Papers Published in Journal:</p>	<p>: <u>National:</u> -</p> <p><u>International:</u> - 2</p> <p>[1] Shivani Bhattacharjee, “ Wireless Display using Zigbee” International Journal of Electronics and Communication engineering (IJECE) ISSN (2278-991X) in September, 2013</p> <p>[2] Shivani Bhattacharjee, “MANETs: Overview of Vulnerabilities, Security Threats and Prevention and Detection Techniques” in International Journal of Computer Sciences and Engineering in September 2015(E-ISSN-2347-2693).</p>
<p>Papers Presented in Conferences</p>	<p><u>National:</u> 4</p> <p>[1] Shivani Bhattacharjee, Parul Narula,” Adhoc Wireless Sensor Network for Emergency Medical Care “, Proceedings of NCEICS – 2010, Dec 2010, Gurgaon , India.</p> <p>[2] Data Centric Wireless Network Protocols:Attacks and Counter measures- National conference on Recent Emergence & Scope of Electronics Architecture Research-2KX at HEC, Jagadhri</p> <p>[3] GSM controlled aquarium” at National Conference on Computing and Information Technology (NCCIT-2013).</p> <p>[4] Design of high speed UART for programming FPGA –National Conference on Advnces in VLSI Embedded & Communication organized by AFSET, Faridabad.</p> <p><u>International:</u> 25</p> <p>[1] Shivani Bhattacharjee, “ FPGA based design and implementation of high speed multichannel UART” , Proceedings of International Conference on innovative Practices in management and Technology for excellence SRIJAN 2010 organized by MAIMT, Jagadhari,October,2010</p> <p>[2] “Wireless display using zigbee” in International Journal of Electronics and Communication engineering (IJECE) ISSN (2278-991X) in September, 2013.</p> <p>[3] “Wireless Data Transfer” At International Conference on Communication Technology, 2013 (ICCT) later published in IJCA (ISBN: 973-93-80877-84-1h).</p> <p>[4] “Industrial Automation and Sensing using ZigBee” in IJCA (973-93-80883-39-0) in November, 2014 edition.</p> <p>[5] “Catching Moving Violations using an Embedded System” in IJCA (973-93-80883-39-0) in October, 2014 edition.</p>

- [6] “Wi-Fi Calling” in IJCA (973-93-80883-39-0) in December, 2014 edition.
- [7] “Industrial Automation and sensing using zibgee” in DJ Spark April, 2015 (ISBN: 978-93-82062-20-2).
- [8] “Catching moving violations using serial Communication” in DJ Spark April, 2015 (ISBN: 978-93-82062-20-2).
- [9] “Wireless Remote Controlled POV Display” in IJCA (973-93-80883-39-0) in April, 2015 edition.
- [10] “MANETs: Overview of Vulnerabilities, Security Threats and Prevention and Detection Techniques” in International Journal of Computer Sciences and Engineering in September 2015 (E-ISSN-2347-2693).
- [11] “Smart Parking System Based On Internet of Things: A Review” in August 2018 978-1-5386-5257-2/18 in IEEE“
- [12] Forest Monitoring System using sensors, wireless communication and Image Processing” in 2018 in August 2018 978-1-5386-5257-2/18 in IEEE
- [13] “Automatic Garbage collector bot using Arduino and GPS” in Springer Nature Singapore Pte Ltd. 2018. https://doi.org/10.1007/978-981-10-8339-6_30
- [14] “An Algorithm to Extract Handwriting Feature for Personality Analysis” in Springer Nature Singapore Pte Ltd. 2018 https://doi.org/10.1007/978-981-10-8339-6_35
- [15] “Applications of a Remotely Controllable Robotic Arm Using ESP8266” in springer proceedings of International Conference on Wireless Communication
- [16] “Handoff Control using Fuzzy Logic” in springer proceedings of International Conference on Wireless Communication 978-981-15-1001-4, 469323
- [17] “Fire and Gun Violence based Anomaly Detection System Using Deep Neural Networks” in Proceedings of the International Conference on Electronics and Sustainable Communication Systems (ICESC 2020) IEEE Xplore Part Number: CFP20V66-ART; ISBN: 978-1-7281-4108-4
- [18] “Slam using Neural Network-based Depth Estimation for Auto Vehicle parking” in Springer Proceedings of International Conference on Information and Communication Technology for intelligent System (ICTIS 2021)
- [19] “Technalyse Solution – A Retail Analytical Guide” in International Conference on Communication, Information and Computing Technology-2021 (ICCICT-2021) https://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=4735691

Area of Specialization	Wireless Networking,IoT,IloT,
Professional Memberships	: Life Member of Indian Society of Technical Education (ISTE) LM125793
Subjects Taught	<p><u>UG Level:</u> Mobile Communication Wireless Communication Management information System Electronic Measurement and Instrumentation Analog and Digital Communication</p> <p><u>PG Level:</u> Mobile and Wireless Communication Adhoc Sensor Network</p>

Projects Guided	:	UG Level:	
		<u>1.AY 2013-14</u>	
		Akshay Sawant	Implementation of Wireless Diagnostic System
		Hansal Shah	
		Zarna Parekh	
		Gargi Rajadhyaksha	GSM based eco-friendly car using Witricity
		Karnika Sharma	
		Sneha Venkateswar	
		Siddharth Mody	
		Priyanka Sanghavi	Implementation of Drakeyto, IR based touchpad and keyboard- DRAKEYTO
		Aishwarya Patil	
		Mohit Munjani	
		Aditi Merchant	
		<u>2.AY 2014-15</u>	
		Shah Avi Sandip	Photo traffic ticket using VART
		Shah Aman Manish	
		Sanghvi Niramay	
		Varadan Varun	
		Dhruv Akshay Hitesh	Infra Red based POV (Persistence of vision) display
		Shah Dishant Shailesh	
		Shah Darshil Jayesh	
		Raikar Amey	
		Gokalgandhi Bhargav	Industrial automation and sensing using zigbee
		Singh Ameya Sangeet	
		<u>3.AY 2015-16</u>	
		Shreya Nair	Implementation of Intelligent Lock with Bluetooth Low Energy (BLE)
		Niket Nandu	
	Ankur Patel		
	Payalben Patel		
	<u>4.AY 2016-17</u>		
	Jessie Lemos	Handwriting analysis using Image Processing and Nueral Network	
	Anamika Sen		
	Harsh Shah		
	<u>5.AY 2017-18</u>		
	Jash Singhania	Implementation of Customer Operated e-menu using Arduino	
	Diyatri Ghosh		
	Deepak Tanwar		
	Deepesh Rane		
	Aishwarya Nafre		

	Avani Patel	Voice and Eyeball controlled Intelligent Wheelchair with obstacle detection using Rasberry Pi
	Danish patel	
	Rishil Patel	
	<u>6.AY 2018-19</u>	
	Jhalak Acharya	Smart contracts based Medical prescription system
	Abhishek Balam	
	Moksha Choudhary	
	Mohdmujahaid	3 dimensional scanning and plotting using microcontroller
	Mohdkalee	
	Tejas More	
	Manasi Sawant	
	Swapnil Thakur	
	<u>7.AY 2019-20</u>	
	Hardik Jain	Smart Attendance system using facial recognition
	Saurabh Ghule	
	Aaron Goes	
	Akhilesh Kadam	
	Atulya Kumar	Anamoly/Crime detection in video surveillance using Neural Networks
	Parth Mehta	
	<u>8.AY 2020-21</u>	
	Pranay shah	Hospital Information Management System
	Mehulkumar Patel	
	Yash Mukesh Shah	
	Avi Doshi	Smart Parking Management System
	Anuj Sardesai	
	Rudra Nair	
	Jignesh Thakur	
	Shyamal Oza	Techanayse solution
	Rahul Sanghvi	
	Pathivi Merchant	
Recommended Students for Higher Education	<u>Name of the Student</u> 1. Hansal Shah 2. Zarna Parekh 3. Harin Vashi 4. Anish Shetty 5. Krishi Salva 6. Abhinav Kashyap 7. Kewal Vora	<u>University/Industry</u> University of Southern California North Carolina State University Worcester Polytechnic Institute, Massachusetts University of Illinois at Urbana-Champaign Siegen, North Rhine-Westphalia, Germany North Carolina State University Worcester Polytechnic Institute, Massachusetts

Institute/Department Responsibility handled:	<ul style="list-style-type: none">➤ Vertical In charge of IoT and Embedded System for Coursera➤ Time table Coordinator➤ Department Alumni Coordinator➤ Admission Committee Member➤ Department Exam Coordinator
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