

		<p>[3] Rahul S Taware, Prof. T D Biradar, “BER performance analysis of SSB-QPSK over AWGN & Rayleigh channel “ ICCT-2015, IJCA, 17th to 19th Oct. 2015</p> <p>[4] Rahul S Taware, “Bit error rate analysis for SSB-QPSK modulation ,ICAET, 10th Feb 2013</p> <p>[5] Shilen Jhaveri, Siddharth Bhatt, Rahul S Taware, T D Biradar, “BER performance analysis & Improvement in spectral efficiency for SSB-QPSK transmission” IJECCE, 14th Feb 2013</p>
Area of Specialization		Wireless Communication, Control System, Power Electronics, Embedded System.
Professional Memberships	:	Life Member of Indian Society of Technical Education (ISTE) LM 69374
Interaction with Professional Institutions	:	<ol style="list-style-type: none"> 1. Mentor for <i>IICDC</i> project development competition organized by The Govt. of India in collaboration with <i>Texas Instruments</i> (TI), All India Council for Technical Education (<i>AICTE</i>), Department of Science and Technology (<i>DST</i>), and Indian Institute of Management Bangalore (<i>IIMB</i>). 2. Mentor for Swadeshi Microprocessor Challenge - Innovate Solutions for Digital India, organized by Govt. of India under <i>Ministry of Electronics and Information Technology, CDAC</i>. 3. External subject expert for syllabus preparation committee of KJSIEIT.
Subjects Taught		<p>UG Level:</p> <ol style="list-style-type: none"> 1. Control Systems 2. Microprocessor and Peripherals 3. Microcontroller and Applications 4. Digital Communication 5. Satellite Communication 6. Radar Engineering 7. Mobile Communication 8. Digital System Design 9. Power Electronics 10. Electrical and Electronics Engineering
Projects Guided	:	<p>UG Level:</p> <ol style="list-style-type: none"> 1. Analysis of Satellite Link Budget using MATLAB and GUI. 2. Detection & Monitoring of Harmful Gases in Air, to Improve Air Quality Index with Design of Filtered Mask 3. Smart Recycling bin using R-Pi and Machine Learning 4. Cost efficient software Defined Receiver operating from 0-6GHZ using zero IF Technology 5. Smart Traffic Controlling using blue tooth Mesh Technology. 6. Automated object avoidance and signal follower using microcontroller 7. Power tools safety gear using Microcontroller 8. Cloud based Health monitoring system using Microcontroller 9. Customizable Artificial Intelligent Assistant 10. Implementation of convolutional encoder and Decoder 11. Implementing database management system in refrigerators using Rpi and RFID technology 12. Intelligent density based auto traffic management system using Image Processing and microcontroller 89C51 13. Occupancy based Energy Management System using Microcontroller 14. Self-balancing and continuous tracking robot using PID algorithm 15. Electromagnetic induction based wireless car park and charge using witrlicity

<p>Recommended Students for Higher Education</p>	<p><u>Name of the Student</u></p> <ol style="list-style-type: none"> 1. Satya Mehta 2. Raj Mehta 3. Yogesh Deshpande 4. Ritik Shah 5. Jatin Kachhadiya 6. Jay Vora 7. Jill Parikh 8. Nilay Shah 9. Vishwa Mehta 10. Nishad Bhandarkar 11. Sishir Shreekumar 	<p><u>University/Industry</u></p> <ul style="list-style-type: none"> ➤ Samsung Semiconductor, California ➤ Schweitzer Engineering Labs, US ➤ University of California, Berkeley ➤ Clemson University ➤ Leiden University ➤ Syracuse University ➤ University of Maryland, College Park ➤ University of California, Los Angeles ➤ California Institute of Technology ➤ University of Chicago ➤ University at Buffalo ➤ San Diego State University
<p>Institute/Department Responsibility handled:</p>	<ul style="list-style-type: none"> ➤ NSS Program Officer ➤ D J Arya Faculty Coordinator. ➤ D J Spark Coordinator. ➤ Organizing committee member for ICWiCOM. ➤ Coordinator for moderation in Exam Cell. ➤ Department Exam Coordinator ➤ Department Placement coordinator. ➤ Sport co-chairperson. ➤ Lab In-charge. ➤ Class teacher 	