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Designation	: Assistant Professor	
Department	: Electronics & Telecommunication Engineering	
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Qualifications with Class / Grade	: <ol style="list-style-type: none"> 1. M.E. – Electronics and Telecommunication from Dwarkadas J Sanghvi College of Engineering, Mumbai University, in June 2014, 1st class 60.51%. 2. B.E. (Industrial Electronics) from Anuradha Engineering College, Chikhali, Amravati University, in June 2003, 1st class 63.2%. 3. Diploma in Electronics from Dr. Panjabrao Deshmukh Polytechnic Amravati, MSBTE Mumbai, in Jan. 1999, 1st class 64.76%. 	
Total Experience in Years	: Teaching: 17 years <ol style="list-style-type: none"> 1. Assistant Professor, Dwarkadas J. Sanghvi College of Engineering from 7.7.2008 to till date. 2. Lecturer, K.J Somaiya Institute of Engineering. & Information Technology, Mumbai from 25.5.2006 to 19.6.2008 3. Lecturer, Thakur Polytechnic, Mumbai from 1.12.2005 to 20.4.2006. 4. Lecturer, Government Polytechnic, Amravati from 29.12.2003 to 7.5.2005. 	
Papers Published in Journal:	: International: 5 <ol style="list-style-type: none"> [1] Sakshi Mundra, Nidhi Patel, Vraj Dedia, Yuti Bhavsar, Prof. Rahul S Taware, “Detection and Monitoring of Harmful Gases in Air using microcontroller and Android App.” ICWiCOM-2021, Springer ,Singapore, 8th and 9th Oct. 2021 [2] Satya Mehta, Prof. Rahul S Taware, “Smart Traffic Control using Bluetooth Mesh technology”, ICWiCOM-2019/,Springer Singapore, 11th and 12th Oct.2019 [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 [4] Rahul S Taware, “Bit error rate analysis for SSB-QPSK modulation ,ICAET, 10th Feb 2013 [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 	
Papers Presented in Conferences	: International: 05	

		<p>[1] Sakshi Mundra, Nidhi Patel, Vraj Dedia, Yuti Bhavsar, Prof. Rahul S Taware, “Detection and Monitoring of Harmful Gases in Air using microcontroller and Android App.” ICWiCOM-2021, Springer ,Singapore, 8th and 9th Oct. 2021</p> <p>[2] Satya Mehta, Prof. Rahul S Taware, “Smart Traffic Control using Bluetooth Mesh technology”, ICWiCOM-2019/, Springer Singapore, 11th and 12th Oct.2019</p> <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 IICDC project development competition organized by The Govt. of India in collaboration with Texas Instruments (TI), All India Council for Technical Education (AICTE), Department of Science and Technology (DST), and Indian Institute of Management Bangalore (IIMB). 2. Mentor for Swadeshi Microprocessor Challenge - Innovate Solutions for Digital India, organized by Govt. of India under Ministry of Electronics and Information Technology, CDAC. 3. External subject expert for syllabus preparation committee of KJSIET.
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 witricity 	
Recommended Students for Higher Education	<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
Institute/Department Responsibility handled:	<ul style="list-style-type: none"> ➤ NSS Program Officer ➤ Admission Committee Member ➤ 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 	