

Somaiya Vidyavihar University

Name: Ruchira Jadhav			E-mail: ruchirajadhav@somaiya.edu		
Contact No: 02266449307					
Department/Section: Electronics and Telecommunication Engineering					
College: K J Somaiya College of Engineering					
DOJ Somaiya: 01/01/2004		Career Experience: 30 Yrs		Industry Teaching Experience: Experience: __Yrs 30 Yrs	
Present Academic Designation: Assistant Professor (Professor/Associate Professor/Assistant Professor)			Present Administrative Designation: (Principal/Vice-Principal/ Associate Dean/ HOD etc)		

Area of research/specialization and Courses Delivered	
Research domain/interests/areas	
<ol style="list-style-type: none"> 1. Circuits and VLSI 2. Communication Engg 	
Courses Delivered	
<ol style="list-style-type: none"> 1. Undergraduate courses taught: Basic electronic circuits, Analog Electronics, Optical fiber communication, VLSI Design, Hardware description language, Communication Systems, Control systems and application 2. Post Graduate Courses Taught: Mixed signal VLSI Design, Optical Fiber Communication 	

Recognition as a teacher by any University	UG: Yes	PG: Yes/No	Ph.D : Yes/No
Details of Recognitions			
<ol style="list-style-type: none"> 1. Mumbai university 			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D					
PG	M. E.	Mumbai University	V.J.T.I., Matunga	1996	64.8%
UG	B. E.	Gulbarga University	P. D. A. college of Engineering	1988	73.68%
Diploma					
NET/SET/Other					

Notable Experience Details					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	Fr. C. R. C. E., Bandra West, Mumbai	Lecturer	20/9/1989	31/12/2003	14

Research Accomplishments and Projects		
No of students pursuing Ph.D as on date: Nil		No of students completed Ph.D as on date: Nil
No of students completed PG thesis / Project work as on date: 4		No of students / groups completed UG projects as on date: 60
Publications Total:	Number of Peer review Journal papers:	Number of Conference papers:
Details of Publications:		

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International Journals:

International Conferences:

- 1) "Power Dividers/Combiners for 1.5T MRI Solid State Power Amplifier" 2nd International Conference on Electronics, Materials Engineering and Nano-Technology (IEMENTech 2018), Electronics and Communication Engineering Department of IEM, Kolkata, at IEM Gurukul Campus, College More, Saltlake, Kolkata, West Bengal during May 4th-5th, 2018. , Vishal D. Boricha, Ruchira A. Jadhav, Rajkumar Vishwakarma, Tapas K. Bhuiya, Rajesh Harsh Technology division sameer, Mumbai
- 2) "SPI to I2C Protocol Conversion using Verilog", Fourth International Conference on Computing Communication Control and Automation (ICCUBEA) , at PCCOE, Pune, 16th-18th August 2018, Dvijen Trivedi, Aniruddha Khade, Kashish Jain and Ruchira Jadhav
- 3) Healthcare system based on sensors and WiFi module.", International conference in advance trends in engineering(ICATE), organised by- Dattameghe college of engineering airoli, 7th -8th april 2017, page no. 83, , Priya Kharatmol, Ruchira Jadhav
- 4) "Evaluation of selective cooperation scheme for cell edge users in cellular network" at the International conference on global technology initiatives, Rizvi college of Engg. Bandra on 29th-30th march, 2012.
- 5) "Fiber Fuse Prevention" International Conference (ICAC3-2009), Fr. C. Rodrigues College of Engineering, Bandra on Jan 23th-24th, 2009
- 6) "Computer Aided Breast cancer detection" International Conference (ICAC3-2009) , Fr. C. Rodrigues College of Engineering, Bandra on Jan 23th -24th , 2009 7) "Electromagnetic Bomb," International conference on „Recent Trends In Automation & Its Adaptation To Industries, at Nagpur organized by Priyadarshini College of Engineering and Architecture July 2006.
- 8) Presented Paper in International Conference (ICARA-2004) "practical development of an experimental autonomous system in real time environment" at Palmerson North, Massey University, Newzealand Dec 13th -15th , 2004.
- 9) Presented Poster in International Conference (ICARA-2004) "Design and practical implementation of multiple interactive communication systems for multiple robots" at Palmerson North, Massey University, Newzealand Dec 13th -15th , 2004.

National Journals:

- 1)Presented "Synthesis of High Resistive BiFeO₃ Thin Films for Ethanol Sensing Application Grown by PLD", IOSR Journal of Electrical and Electronics Engineering (IOSRJEEE) e-ISSN: 2278-1676,p-ISSN: 2320-3331, Volume 10, Issue 5 Ver. I (Sep – Oct. 2015), PP 45-47 www.iosrjournals.org. Madhuri Patel , Cijy Mathai , Niraj Joshi , Ruchira Jadhav, Richard Pinto.

National Conferences:

- 1) Attended first conference on "Deployable AI"16-18th June 2021 Robert Bosch center for Data science and artificial intelligence, IIT Madras.
- 2) Presented "Montgomery multiplier with error detection and correction" National conference IETE Cynosure NCCEEE-2016 held at Dr. Babasaheb Ambedkar technological university, Lonere in association with IETE- Navi Mumbai during 23rd-24th, 2016.
- 4) presented "Fiber based white light interferometer with improved sensor tip and stepped motor" 4th National level Conference on signals and communication, College of Engineering, Guindy, Anna University , May 8th -9th , 2008
- 5) presented "Comparative study of different methods of speaker recognition" National Conference Information and Communication Technology" (NCICT-2006), D. J. Sanghavi College of Engineering on Feb 24th -26th, 2006.
- 6) Presented paper in National Conference (CISCON-2005) "Ultrasonic navigation system for visually impaired" at MIT, Manipal, Nov 11th -12th , 2005 7) Presented paper in National Conference (CISCON-2005) "Dsign of a microcontroller using FPGA/VHDL" at MIT, Manipal, Nov 11-12, 2005
- 8) Presented paper in National Conference (CISCON-2005) "Design of UART for microcontroller system" at MIT, Manipal, Nov 11th -12th , 2005 9)
- 9) Presented paper in National Conference (CISCON-2005) "Design and implementation of automated test kit for measuring various electrical parameters" at MIT, Manipal, Nov 11th - 12th ,

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2005		
Books/Book Chapters:		
Patents/Copy Rights :		
No of Research / consultancy / projects completed: 01 Rs: <u>Nil</u>	No of Research / consultancy / projects on-going: Rs:_____	No of Research / consultancy / projects on applied as on date: Rs:_____
Details of Research / consultancy / projects: Completed: On-going: Applied:		
IPR/ Copyrights:		

FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered	
<p>Attended:</p> <ol style="list-style-type: none"> 02 days 'National level online workshop on Python Programming' on 16th& 17th of July 2021 organized by Department of MCA at Chaitanya Bharathi Institute of Technology (A), Hyderabad. 05 days online STTP on "Research Trends in Control System and Signal Processing (RTCSP-2021)" organized by the Department of Instrumentation Engineering, Ramrao Adik Institute of Technology, Navi Mumbai, July 05 to 10, 2021. 01 day Peer Review Webinar on 'scientific writing : how to be an effective peer reviewer' by tailor and francis group 22nd June 2021 02 days online First Deployable AI Conference, 16th to 18th June 2021, organised by Robert Bostch center for Data science and AI, IIT Madras One day online workshop on "Initiatives of for sustainability practices in institutes" on 6th September 2021 Dept of Chemistry, Shree Ramakrishna Engg. College, Coimbtore National webinar on "Quantum computing" on 16th July 2021 K. J. Somaiya institute of Technology, Sion AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Modern Simulation Techniques for Engineering Research" from 26th to 30th July 2021 Kamla Nehru Institute of Technology Sultanpur. 70% AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Introduction to the Mathematical Modeling of Smart Materials and their applications to Sensors and Actuators" from 12th to 16th July 2021 at IIT Jammu. 60% AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "AI Solution for Optimum Utilization of Power and Energy" from 5th to 9th July 2021, at NIT Srinagar. 90.625% AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Trends in Measurement and Control for System Automation". from 2nd to 6th July 2021 at Birla Institute of Technology 92.5% Webinar series on "scientific writing: Publishing ethics, effective peer review and increasing research impact" 22nd June 2021 Jointly organized by Taylor and Francis group, CSIRNSC-PR FDP on "Stress Management", Organized by, Training and placement cell, KJSCE Date: 07th August 2019, 10am onwards Venue: B113 Seminar hall, Computer Engineering Department. Successfully completed, six months IUCEE International Engineering Educator Certification Program (IIEECP) - Phase II & III, Jan- June 2019 Three days workshop on IUCEE International Engineering Educator Certification Program (IIEECP) - Phase I, 18th – 20th December, 2018 Attended a one week workshop on "IoT and advances in embedded systems" organized by Texas instrument Ltd. At KJSCE, Vidyavihar, Mumbai, from 25th to 29th June 2018 	
Organized	

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1. ISTE approved STTP on 'Geographical information systems' organised by Department of Computer Engineering, K. J. Somaiya College of Engineering, Vidyavihar, Mumbai from 19th July 2021 to 23rd July 2021.
2. visit to Karnala bird sanctuary and Karnala fort for ISTE faculty members on 29/2/2020
3. Agro-technical visit to Yusuf Meherally center a non govt organization for education 29/2/2020, health care, women empowerment and rural development ISTE faculty members,
4. INUP, IIT, Bombay – indian nanousers program for students of EXTC in on 01/10/ 2019
5. NCPRE IIT, Bombay or students of EXTC on 01/10/ 2019
6. Workshop on "hands on practice using open source software on Microelectromechanical (MEM's)" conducted by resource persons from IIT, Bombay 30-1-2019, Venue: 223A.
7. Workshop in order to spread the awareness about bio-composting; designs devices for home and commercial purpose. Speaker was **Mr. Jayant Joshi, who has designed a device, using a plastic basket with a mesh within, for house-hold bio-composting purposes. He will enlighten us about disposal of household waste and manufacturing of the fertilizer at home.** Venue: EXTC Seminar hall 407A, on 11-10-2017

Delivered:

Notable Key Scholastic Achievements

1.	Best paper award during national conference, organized by Manipal University
2.	Completed 'Sanskrit subhashitam' 5 level certificate by IIT Roorkee

Notable Positions and Responsibility

1.	Chairperson-ISTE teachers chapter
2.	Convener- Online courses- Faculty
3.	Member- Magazine committee
4.	Chief Proctor- EXTC Dept

Date: 07/01/2023

Ruchira Jadhav
Signature of Faculty Member