

Somaiya Vidyavihar University

Name: Savita C. Raut		E-mail: savitasonukale@somaiya.edu	
Contact No: 022-66449321			
Department/Section: Dept of Electronics and Telecommunication			
College: K J Somaiya School of Engineering			
DOJ Somaiya: 20/05/2003	Career Experience:22 Yrs	Industry Experience: -	Teaching Experience:24Yrs
Present Academic Designation: Assistant Professor		Present Administrative Designation: -	

Area of research/specialization and Courses Delivered

Research domain/interests/areas

1. RF, Microwave and Antennas
2. Computer Networks
3. Microprocessors and Microcontrollers

Courses Delivered

- Computer Communication and Networking
- Microprocessor and Microcontroller
- Electrical Network Theory
- Integrated Circuits
- Random signals and Processes
- Audit Course on Solar Technology
- RADAR Engineering
- Random signal Analysis
- Basic Electrical & Electronics
- Radio Frequency Circuits Design
- Microprocessor and peripherals
- Television & Video Engineering
- Microelectronics
- Antennas and wave propagation, etc

Recognition as a teacher by any University	UG: Yes	PG: NO	Ph.D : NO
<ol style="list-style-type: none"> 1. Mumbai University 2. Marathwada University 3. Somaiya Vidyavihar University 			

Education

Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D	Ph.D	SGBAU Amravati	SGBAU Amravati	Pursuing	
PG	M.E. EXTC	Mumbai University	Terna College of Engg. Nerul, Mumbai University	2009	I class
UG	B.E. EXTC	Amravati University	Govt. College of Engineering , Amravati	1998	I Class

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Notable Experience Details					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	K J Somaiya School of Engineering	Assistant Professor	20 th May 2003	Till date	22.5 yrs
2.	M.I.T. Engineering College , Aurangabad	Lecturer	Jan 1999	Sept 2001	2.7 yrs

Research Accomplishments and Projects		
No of students pursuing Ph.D as on date:-		No of students completed Ph.D as on date:-
No of students completed PG thesis / Project work as on date:-		No of students / groups completed UG projects as on date:35 +
Publications Total:05	Number of Peer review Journal papers:01	Number of Conference papers:04
Details of Publications: International Journals <ol style="list-style-type: none"> "Stacked Two Layer Dual-Band Antenna for Wireless Applications" , Helix –The scientific Explorer Journal Vol. 8(5), DOI 10.29042/2018-3954-3956 – August 2018 		
Conferences <ol style="list-style-type: none"> "A Review: Citrus Disease Detection Using Machine Learning Approach," 2024 2nd DMIHER International Conference on Artificial Intelligence in Healthcare, Education and Industry (IDICAIEI), Wardha, India, 2024, pp. 1-5, doi: 10.1109/IDICAIEI61867.2024.10842864. "Drone for packet dropping using IOT during Disaster Situations" at ICTEAH-2024, KJSCE, SVU ,15th – 16th April 2024. "Coaxially fed two layer stacked MSA for WLAN applications " International conference on engineering innovations and solutions. ICEIS-2016 ,Organized by CMS college of Engineering, Namakkal,Tamilnadu -April 2016. "A Novel Dual-band Annular Sector Slot Circular Planar Antenna for Wireless Applications"at National conference organized by Vidyalankar Institute of Technology ,Wadala ,Mumbai, Sep-2008. "Dynamic resource reservation protocol "at International Conference organized by National Engg. College , Kovilpatti, Tamil Nadu ,Feb- 2007 . "Densed Wave Division Multiplexing " at National conference organized by K.J. Somaiya college of Engg. March 2006. 		
Patents/Copy Rights -		
No of Research / consultancy / projects completed:01 Rs:22000/-	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 1.Minor Research project proposal on "Solar Powered Surviellance System for The Detection of Human Activity in Naxal Prone Areas "at Mumbai University ,2017-18		
IPR/ Copyrights -		

FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered
Attended 1. Attended One-week Short Term Training Programme on 'Generative AI in Action: New Frontiers in Engineering Applications' organized by KJSSE ,from 23 June to 27 June 2025

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2. Attended “ e-yantra Symposium 2024” , at e-yantra,IIT Bombay ,5th – 6th April 2024.
3. 3-Day Workshop on "Self Balancing Robot" at e-Yantra ,IIT Bombay , 15th —17th feb 2024.
4. One week FDP on “Use of AI in Teaching: Hands on Practice”, organized by Gokul Global University Siddhpur Gujrat(online), 5th-11th Feb 2024.
5. Five days Industrial Training Program on Industrial Internet of Things (IIoT) organized by IIPM – Kansbahal, Odisha in association with Pantech E Learning,26.04.2021 to 01.05.2021
6. One week Technical Training program on “Embedded Systems and programming” organised by IETE Mumbai in association with Pantech E-Learning ,July 13-17 ,2020
7. ISTE approved OnlineSTTP/FDP programme on “Research in Engineering” organized by A.P. Shah Institute of Technology, Thane, Maharashtra , 06.07.2020 to 10.07.2020
8. One Day Workshop on Arduino',organised by the Teaching Learning Centre, ICT at IIT Bombay,funded by the PMMMNMTT, MHRD, Govt. of India, on 8 February 2020.
9. One day Workshop on eSim, IoT Series for Teachers',organised by the Teaching Learning Centre ICT at IIT Bombay, funded PMMMNMTT, MHRD, Govt. of India, on 21 September 2019

10. Attended ISTE approved one week STTP on “Industrial IoT System Design from Sensing to mitigation” June 10- June 14, 2019

11. Attended One Day Workshop on “Python Programming and Data analytics “ ,at Computer Department,KJSCE,Mar 03,2018

12. Attended Faculty Development Program “IITBombayX: FDP201x Pedagogy for online and Blended Teaching Learning Process” , Organized by IIT Bombay at KJSCE, September 14 to October 12 , 2017

13. Attended Faculty Development Program “IITBombayX: FDP101x Foundation Program in ICT for Education” , Organized by IIT Bombay at KJSCE, August 03 to September 7, 2017

14. Attended AICTE Sponsored one week QIP workshop on “Wave Theory and Applications” , Organized by the Department of Electrical Engineering, VJTI ,Mumbai , January 02 – January 07, 2016.

15. Attended IETE approved one week STTP on " Microwave Antennas Design and Applications" organized by VIT , Pune , 21-26 November, 2016
16. Attended 2 days workshop on “Entrepreneurship Development Training Program on Solar Energy Technology” ,Jointly Organized by MSME and IDEMI ,Mumbai ,March 5-6 ,2016
17. I.S.T.E. Approved one week S.T.T.P. on "Internet of Things" organized by Department of Information and Technology, K. J. Somaiya College of Engineering, from 04 Jan 2016 to 08 Jan 2016
18. Attended 2 days workshop on ADS Software at KJSCE , 18-19 April, 2014
19. Attended One Week Workshop on “ SciLab- An Open Source Platform for Numerical Computation “ organized by IIT Bombay,at KJSCE,June 13-17 ,2011
20. Attended Two days Workshop on “ Stress Management and Rational thinking “ organized by IPH,Thane,at KJSCE,July 2009
21. Attended ISTE approved One Week STTP on “ Upcoming Trends in Microwave Engineering “,at KJSCE ,June 2005
22. Attended One Week STTP on “ Advances in Communication “,at Terna College of Engg Nerul ,July 2008
23. Attended Two Week STTP on “ Embeded Systems-An Unified Hardware and Software Approach“ at K.J. SOMaiya COE, June ,2005
24. Attended CEP on “ Principles of Microelectronics “ at IIT Bombay ,Sept 2003

Organized

1. Organized Expert Session on “Cultivating a Safe & Inclusive Workplace Culture” by Adv.

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Usha Andewar ,during FY Orientation 2025 on 30th July 2025.

2. Organized AICTE-ISTE Approved One Week (06 days) STTP on “RF Antenna: Design and Analysis” during June 18-23 ,2018.
3. Member of Organizing Committee at ISTE-AICTE approved One Week STTP on "**Bioinformatics : Emerging Research Trends and Applications**" ,Organized by ISTE-KJSCE Teacher's Chapter ,June 27-July 01 ,2017
4. Coordinated Workshop on NEC open source software for T.E. students on 2nd February , 2013.
5. Member of Technical team at ISTE Approved one week STTP on "**Advances in Antenna & RFIC/MMIC Design** " at EXTC department,KJSCE,24th June -28th June ,2013.
6. Educational Visit to IMD Colaba and Doppler RADAR for TY EXTC students, Feb 24 , 2020
7. Industrial Visit to CETTM- MTNL ,Mumbai for T.Y. and L.Y. BTech Students, March 24,2018
8. Visit to “Open Day at R & DE -DRDO “,Pune ,Feb 05,2018
9. Organised Industrial Visit for T.E.(EXTC-RADAR students) at Indian Meteorological Department (Weather Station), Colaba ,March13, 2013
10. SE. and T.E. (EXTC) student's visit to "Pratham Base Station" at IITB.

Delivered

1. Delivered lecture on "IE3D Simulation Software"and hands-on on “**Simulation of Rectangular Patch Antenna**” at one week STTP on “Advances in Antenna & MMIC/RFIC Design” 24th June -28th June ,2013.

Online Courses Completed:

1. 12 week NPTEL/Swayam Course on “Electronic Systems Design: Hands-on Circuits and PCB design with CAD software” ,July-Oct ,2024
2. An 8 weeks NPTEL online course on “Introduction to Machine Learning “ by IIT Kharagpur ,July 7th – Sept 20th 2023.
3. Online 4 weeks FDP on "AI ,ML ,Deep Learning with Python" ,by EduxLabs in association with IIT Madras, July 31st – Sept 15th 2023.
4. “Introduction to Machine Learning for beginners(Data Science)” 1 week course at Udemy 25th June-30th June, 2023.
5. 12 Weeks Swayam/NPTEL Online certification Course on “Computer Networks” , Jan- Apr 2021 (Exam- Aug 2021).
6. 8 weeks NPTEL Online Certification course on “Advanced Topics in Probability and Random Processes” , Aug-Sept ,2018
7. 8 weeks NPTEL Online Certification course on “Basic Electrical Circuits” , Jul-Sept ,2017

Notable Positions and Responsibility

1.	Convener, WDC-KJSSE July 2025-Till date
2.	EXTC Department Placement Coordinator July 2022- Till date
2.	Secretary, ISTE teacher’s Chapter KJSCE April 2018 – Dec 2022
3.	Coordinator of Departmental UG Project Committee July-2018 – Aug 2022
4.	In charge of departmental Time-Table Committee since June 2011- June-2017
5.	Chief Proctor (EXTC Department)- during Year 2008-10
6.	ISTE-KJSCE Teacher's chapter coordinator for EXTC department since March 2015 –Mar 2018

Date: 01 / 02 / 2026

Signature of Faculty Member
Savita C. Raut