

Somaiya Vidyavihar University

Name: Kirti Sawlani			E-mail:kirtisawlani@somaiya.edu		
Contact No: +91 22 66449219					
Department/Section: Electronics Engineering					
College: K J Somaiya College of Engineering					
DOJ Somaiya: 12/02/2001		Career Experience: 22 Yrs		Industry Experience: 0 Yrs	Teaching Experience: 23 Yrs
Present Academic Designation: Assistant Professor			Present Administrative Designation: NA =		

Area of research/specialization and Courses Delivered
<p>Research domain/interests/areas</p> <ol style="list-style-type: none"> 1. Computer organization and Architecture 2. Digital System Design 3. Embedded Systems 4. Microprocessors and Microcontrollers <p>Courses Delivered</p> <p>UG Courses</p> <ol style="list-style-type: none"> 1. Basics of Electrical & Electronics Engineering 2. Micro-processor & Micro-controller I 3. Micro-processor & Micro-controller II 4. Computer Organization and Architecture 5. Digital System Design-I 6. Embedded System Design 7. Operating Systems 8. Analog and Digital Integrated Circuits 9. Biology for Engineers <p>PG Courses</p> <ol style="list-style-type: none"> 1. Embedded and Real Time Systems <p>Audit Courses</p> <ol style="list-style-type: none"> 1. Computational Biology and Bioinformatics

Recognition as a teacher by any University	UG: Yes	PG: Yes	Ph.D : No
Details of Recognitions			
1. University Appointment Letters			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D					
PG	M.Tech Electronics	Mumbai University	V.J.T.I. Mumbai	2009	68.83
UG	B.E (Electronics Engineering)	Amravati	College of Engineering. Badnera	1993	65
Diploma					
NET/SET/Other					

Notable Experience Details

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Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	Parshavnath College of Engineering, Thane	Lecturer	August 97	May 1998	10 months
2.	Vivekanand Polytechnic	Lecturer	October 2000	February 2001	4 months
3.	K.J.Somaiya College Of Engineering	Assistant Professor	February 2001	Till date	22 Years

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: 4		No of students / groups completed UG projects as on date: 20
Publications Total:	Number of Peer review Journal papers:	Number of Conference papers: 04
Details of Publications: International Journals <ol style="list-style-type: none"> Paper published in Science Direct in 2nd International Conference on Communication, Control and Information Technology on “Effective Utilization of a Microcontroller Port for Optimization of Hardware” C3IT-2012 Conferences <ol style="list-style-type: none"> Padmanabhan Krithika, Nirmal J. H. and Sawlani Kirti, “An Overview of Different Spectrophotometric Techniques for Non-Invasive Blood Glucose Measurement” (April 8, 2020).SSRN: http://dx.doi.org/10.2139/ssrn.3563815 Lubna Sheikh, Kirti Sawlani, Paper published in special Conference proceeding having ISBN. 978-93-86171-02-3 on “A Rainfall Prediction Model Using Artificial Neural Network” during April 2017 Paper published in IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE) e-ISSN: 2278-1676,p-ISSN: 2320-3331, Volume 6, Issue 5 (Jul. - Aug. 2013), PP 50-57 on “The Design and Implementation of Intelligent Campus Security Tracking System” Paper published in CYNOSURE-11’ National Conference on Communication, Antenna and Signal Processing (CASP), at BATU on “Use of single port of Micro-controller to interface multiple Liquid Crystal Displays” in 2011 Paper presented in National conference recent advances in computers and communication at Swami Keshavanand Institute of Technology. Jaipur on “Single Precision Floating Point Unit in SystemC” on 17th May 2009.Books/Book Chapters - 		
Patents/Copy Rights: -		
No of Research / consultancy / projects completed: Rs: <u>NA</u>	No of Research / consultancy / projects on-going: Rs: <u>NA</u>	No of Research / consultancy / projects on applied as on date: Rs: <u>1,01,000/-</u>
Details of projects: -Development of Rotating Vertical Stack and IoT Techniques for Agriculture IPR/ -		

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FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered	
Attended	<ol style="list-style-type: none"> 1. Completed a 3-day workshop on “Industry 4.0 and Smart Manufacturing” from February 2 – 4, 2023, organized by Department of Electronics Engineering in association with IQAC-KJSCE. 2. Attended Online Workshop on LOCF- Train the trainers Learning Outcomes based Curriculum Framework organized by, Somaiya Vidyavihar University on April 22nd & 23rd, 2021. 3. Actively participated in the online 3 weeks Level 0 Workshop on Time Triggered Embedded Systems organized by Department of Electronics Engineering in association with Safety Systems during April 12 - 29,2021, 8.30 pm to 10.30 pm 4. Attended a one week FDP on “Interactive Teaching Learning Strategies with Affective & Cognitive Approach (ITLS)” organized by Department of Electronics and Telecommunication Engineering at PVG’s COET & GKPIM, Pune from June 21 to 25,2021(Online) 5. Attended a online workshop Prelude to International day of Yoga on “Joyous Journey with Yoga” organized by Department of Microbiology and NSS Unit of K.J.Somaiya College of Science and Commerce on June 20,2020. 6. Attended Online Workshop on LOCF- Train the trainers Learning Outcomes based Curriculum Framework organized by, Somaiya Vidyavihar University on 22nd & 23rd April, 2021. 7. Attended a 3 day National level IEEE workshop on “ Internet of Things for Agricultural Applications” organised by P.R. Pote College of Engineering and Management , Amravathi in association with IEEE(Mumbai Section), and Pantech Learning during October 22 – 24, 2020 8. Attended one week FDP on “Sensor, IoT and Machine Learning”, organized by Department of Electronics Engineering, K.J.Somaiya COE, Vidyavihar during June 1 – 5,2020 (Online) 9. Attended one week FDP on “Advances in Internet of Things”, organized by Department of Electronics and Computer Science at Fr.Conceicao Rodrigues College of Engineering, Bandra from 29th May to 2nd June, 2020. (Online) 10. Attended one week FDP on “Opportunities and Challenges in Electronics and Allied Industries in India post COVID-19 organised by VESIT, Chembur.(Online) 11. Attended Workshop on Transition to Online Facilitation organized by NPTEL during May 6, 2020 to June 3, 2020. (Online) 12. Attended a 3-day Workshop on Python and IoT under eYantra Farm Setup Initiative, IIT Bombay during 7-9 February, 2019. 13. Attended an 8 week course on “Embedded System Design with ARM” during Jan-March 2019 and recipient of Elite with Silver certificate for the NPTEL Online certification course funded by the Ministry of Human Resource Development Govt. of India 14. Industrial visit to Siemens Ltd., Airoli on February 6, 2019. 15. Attended Somaiya Public Lecture by Dr. Valiathan on March 28, 2018. 16. Attended the Fire Safety Awareness Program 2018 organized by the Maharashtra State Home Guards & Civil Defense Headquarters. 17. Attended a 5-day Workshop on "Advanced Topics in Embedded Systems and

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Robotics". At IIT Bombay during September 18-22, 2017.

18. Attended a One week ISTE approved STTP on " Use of Open Source Software in4 Research" conducted by Vidyalankar Institute of Technology on June 27 – July 1, 2016.
19. Attended a One week ISTE approved STTP on " Real Time Digital Signal Processing using DSP Processors" conducted by Sardar Patel Institute of Technology, Andheri during June 13 - 17,2016
20. Attended eYantra Symposium 2016 on April 11-12, 2016 at IIT Bombay.
21. Completed Task Based Training in eYantra conducted by IITB from August 2015 to December 2015
22. Attended a two day Workshop on "ARM,ARM Cortex and RTOS" conducted by Sardar Patel Institute of Technology, Andheri on August 7 - 8, 2015.
23. Attended a one day Workshop on "ARM Cortex and Linux Tools" conducted by Sardar Patel Institute of Technology, Andheri on July 4, 2015.
24. Attended a three-week Faculty Development Summer training program cum Workshop on “Embedded system Design” conducted by AM University Program and Cypress Semiconductors at KJSCE during June 17 – July 9, 2014.
25. Attended a two-day workshop on “Modern Digital Design and Embedded systems” conducted jointly by e-Prayog, Virtual Labs (Electronics), IIT Bombay and Sardar Patel Institute of Technology, Andheri on March 1-2, 2014.
26. Attended a workshop by U V Soft Technologies (Robogalaxy) and a western region zonal level competition in our Institute K. J. Somaiya College of Engineering, Vidyavihar, Mumbai, during January 31- February 1, 2014.
27. Attended a two-week ISTE Workshop on “Analog Electronics” conducted by IIT Kharagpur under the National Mission on Education through ICT (MHRD, Govt of India) during June 4 – 14, 2013.
28. Attended a two day CEP Course on “Introduction to Robotics” under eYantra conducted by IIT Bombay during January 29 – 30, 2011.
29. Attended 10-day Short Term Training Workshop on “Embedded System modular Training Programme” conducted by MSME, IDEMI Mumbai from December 1 – 10, 2010 held at K. J. Somaiya College of Engineering, Vidyavihar.
30. Attended a one day Orientation Course on “Basic Electrical & Electronics Engineering” at RGIT,
31. Attended Workshop on “Core JAVA”, organized by Department of Information Technology KJSCE, Mumbai and ISTE Chapter KJSCE (MH-103), from June 21– 25, 2010.
32. Attended a one day seminar on “Emerging Trends in Image Processing and Compression” organized by Department of EXTC, K. C. College of Engineering, Thane East, on February 2, 2008
33. Attended a two day State Level Workshop on Basic Counseling Skill “Empathy– The Bond” organized by the Department of Psychology of S. K. Somaiya College of Arts, Science & Commerce jointly with University of Mumbai on December 1 – 2, 2006.
34. Attended a two week ISTE approved Short Term Training Program on “Embedded System Design: A Hardware Software Approach”, organized by Department of Electronics, KJSCE, Mumbai from June 13-24, 2005.

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35. Attended a two week ISTE approved Short Term Training Program on “VHDL Approach for Digital System Design”, organized by Department of Electronics, YCCE, Nagpur, from June 2 -14, 2003.
36. Attended a one day Seminar on “ Railway Signaling and Communication System” at KJSCE conducted by EESA on April 10, 2002
Organized
1. Mentor of project team” <i>Medicine Reminder</i> ” who reached regional finals at eYIC 2020 and Smart India Hackathon in February 2020
2. Coordinated a one-week AICTE-ISTE approved STTP on “Bioinformatics: Emerging Research Trends and Applications” organized at KJSCE during June 27 – July 1, 2017
3. Coordinated a one day workshop on “eYantra Farm Setup Initiative” conducted by IIT Bombay held at KJSCE on June 16, 2017.
4. Convener of ISTE approved STTP on “ Stress Management, Work Life Balance and Yoga” organized at KJSCE during December 13 – 17,2016
5. Coordinated a one-week ISTE approved Short term training programme on“ Speech, Music Processing And Machine Learning: Fundamental Applications and Trends” at KJSCE during December 29 ,2014-January 3 ,2015
6. Coordinated a three-week Faculty Development Summer training program cum Workshop on “Embedded system Design” conducted by ARM University Program and Cypress Semiconductors at KJSCE during June 17 – July 9, 2014
7. Worked as a team member of organizing team for conduction of a one-week ISTE approved Short term training programme on “Tools and Techniques for Effective Technical Writing” during May 13 – 17, 2013
8. Worked as a team member of organizing team for conduction of a one-week ISTE approved Short term training programme on “Broadband Communication: Current Trends and Applications” jointly organized by University of Mumbai, ISTE Teachers’ Chapter KJSCE (MH-103) and Department of Electronics Engineering during June 19 – 30, 2006.
37. Delivered: Delivered a lecture on “IOT based Smart Farming” in the online FDP “Sensor, IoT and Machine Learning”, organized by Department of Electronics Engineering, K.J.Somaiya COE, Vidyavihar during June 1 – 5,2020.

Notable Key Scholastic Achievements	
1.	Recipient of “Certificate of Appreciation” on July 4, 2016 for making Visually Impaired students to understand and learn BEEE Course
2.	Recipient of “Letter of Appreciation” for sincere and hardworking performance in the department on September 5, 2015.
3.	Recipient of “Best Teacher award” for the academic year 2010-2011 from department student council EESA (Electronics Engineering Student Association)

Notable Positions and Responsibility	
1.	Currently NAAC Criteria VI incharge at SVU Level
2.	Efarm KJSCE Coordinator 2018 till date
3.	Chairperson of Faculty Chapter ISTE during 2015 -2018
4.	Chief Proctor of the Department from 2005 – 2007
5.	Life Member of Indian Society of Technical Education, New Delhi, India, since 2001

Date: 10 / 02 / 2023

Signature of Faculty Member: Kirti Sawlani