

# Sajeed S.Mulla

P.hD.(Electronics Engg.)

## Curriculum Vitae

G-1, Saisrushthi Apartment  
Adarsh Nagar,A/P:Janavli  
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“Imagination is more important than knowledge, knowledge is limited, imagination encircles the world.” – Albert Einstein

## Biography

Dr. Sajeed S. Mulla is an Associate Professor at the Department of Electronics and Telecommunications Engineering, Sindhudurg Shikshan Prasarak Mandal College of Engineering, Kankavali, affiliated with the University of Mumbai. He has been working as a faculty since 1996. He has been the head of the department from 2012 to 2015 and from 2019 to the present. Dr. Sajeed S. Mulla received his Master's

and Ph.D. degrees from Walchand College of Engineering, Sangli, Maharashtra, India, Shivaji University, Kolhapur, and his undergraduate degree from Rajarambapu Institute of Technology, Islampur, Sangli, Maharashtra. His research interests are antennas and wave propagation, microwave engineering, and electromagnetic. He has actively collaborated with researchers in several other computer science disciplines, notably artificial neural networks, deep neural networks, and artificial intelligence.

Dr. Sajeed S. Mulla has published 13 research articles in journals/conferences at the international level indexed by Web of Science, Scopus, and Google.

## Info

Birth 1<sup>st</sup> June 1974 at Islampur                      Passport No. V2940301  
Membership ISTE LM-27818  
ORCID <https://orcid.org/0000-0002-3883-8410>  
ScopusID <https://www.scopus.com/authid/detail.uri?authorId=57190343013>  
Shodhganga <http://hdl.handle.net/10603/334098>  
URL  
Google Scholar <https://scholar.google.com/citations?user=0q55q8AAAAAJ&hl=en>

## Job objectives

To contribute towards publications, research, innovative initiatives, method of delivery and teaching techniques. To add my competence to create atmosphere for nurturing students for innovations, creativity and excellence.

## Computer Skills

Languages	Python, MATLAB <sup>®</sup> , Octave, L <sup>A</sup> T <sub>E</sub> X	Modules	Numpy, Scipy, Pandas, Scikit-learn, Tensorflow, OpenCV, Tkinter
Platforms	Linux(Ubuntu), Microsoft Windows	Tools	ANSYS HFSS, Microwave office, QUCS

## Experience(Total:25<sup>+</sup> Years)

### Academic

1 <sup>st</sup> Nov.2011-Till date	Associate Professor, S.S.P.M. College of Engineering, Kankavli, Maharashtra
1 <sup>st</sup> Feb.2008-30 <sup>th</sup> Oct.2011	Assistant Professor, S.S.P.M. College of Engineering, Kankavli, Maharashtra
1 <sup>st</sup> June.2006-31 <sup>st</sup> Jan.2008	Senior Lecturer, S.S.P.M. College of Engineering, Kankavli, Maharashtra
6 <sup>th</sup> Sep.2001-31 <sup>st</sup> May.2006	Lecturer, S.S.P.M. College of Engineering, Kankavli, Maharashtra
1 <sup>st</sup> July.1999-31 <sup>st</sup> May.2001	Lecturer, Rajarambapu Institute of Technology(Diploma), Islampur, Maharashtra
1 <sup>st</sup> Oct.1998-30 <sup>th</sup> June.1999	Lecturer, Rajaram Shinde College of Engineering, Chiplun, Maharashtra
23 <sup>rd</sup> Sep.1996-30 <sup>th</sup> Sep.1998	Lecturer, Maharashtra College of Engineering, Nilanga, Maharashtra

### Research

1 <sup>st</sup> Oct.2015-31 <sup>st</sup> July.2018	Ph.D. Research scholar under QIP, AICTE, New Delhi, Walchand College of Engineering, Sangli, Maharashtra
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## Education

June 2021	Ph.D.(Electronics), Walchand College of Engineering, Sangli, Shivaji University, Kolhapur, Maharashtra, India
June 2006	M.E.(Electronics), Class:1 <sup>st</sup> Class, Walchand College of Engineering, Sangli, Shivaji University, Kolhapur, Maharashtra, India
June 1996	B.E.(Electronics), Class:Distinction, Rajarambapu Institute of Technology, Islampur, Maharashtra, Shivaji University, Kolhapur, Maharashtra, India
March 1992	H.S.C.,Class:2 <sup>nd</sup> Class, Mahatma Gandhi Junior College, Ashta, Maharashtra
March 1990	S.S.C.,Class:Distinction, Mahatma Gandhi Secondary School, Ashta, Maharashtra

## Ph.D. thesis

Title	Design of miniaturized microstrip antenna for efficient multiband mobile communication
Guide	Dr. Shraddha S. Deshpande
Description	In the proposed work various microstrip antenna miniaturization techniques have been proposed. Goal of this project was to design the miniaturized microstrip antenna that can be used for multiband mobile communication by keeping antenna performance parameters constant.

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## Master thesis

- Title Fingerprint Verification Using Neural Network  
Guide Dr. Rekha S. Patil  
Description Goal of this project was to extract features of fingerprint and then verify using Artificial Neural Network. Features of fingerprint are image based and it is extracted using image preprocessing. However verification of Fingerprint is done using ART1 Artificial Neural Network architecture.

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## Project experience summary

### B.E.Project

- Title Satellite Tracking System Using Microprocessor  
Guide Prof. Satyawan R. Jagtap  
Description The goal of this project was to adjust azimuth angle and elevation angle of parabolic reflector antenna by using stepper motor ,so as to receive the proper signal of respective channel of cable network. My contribution towards project was design,development, system testing and unit testing.

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## Awards/ Recognitions

- January 2006 Won 1<sup>st</sup> prize in National Level Paper presentation competition at ISTE Student Chapter, Rajarambapu Institute of Technology(R.I.T.), Sakhrale, Sangli, Maharashtra, India  
February 2010 Award for preparation of the course plan in a Mission 10X Learning Approach sponsored by Wipro India Ltd. and approved by ISTE, New Delhi  
October 2018 Won gold medal in 12-week NPTEL course on Antenna, IIT, Bombay.  
October 2019 Elite topper in 12-week NPTEL course on Microwave Theory and Techniques, IIT, Bombay.  
April 2018 Award of Certificate of Appreciation for instrumental role as a Active SPOC for SWAYAM-NPTEL Local chapter  
April 2019 Award of Certificate of Appreciation for instrumental role as a Active SPOC for SWAYAM-NPTEL Local chapter

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## Technical Paper Publications/ Conferences

- Jan.2006 Fingerprint Identification using Space Invariant Transform, R.I.T, Islampur, Won 1<sup>st</sup> prize  
March 2007 Fingerprint Verification using Wavelet Transform, Thadomal Sahani Engg. College. Bandra(w),Mumbai  
May 2008 Analysis Of Optical Fiber Using FEM, Maharashtra Academy Of Engg. Alandi, Pune  
Jan 2009 Analysis Of Optical fiber Using FEM (Use of Quadratic Basis Function), Chaitanya Bhumi Institute of Technology,Hyderabad  
April 2009 Face Recognition Using Linear Discriminant Analysis, Padmabhooshan Vasantraodada Patil Institute Of Technology, Budhgaon (Sangli)  
April 2009 WDM Extended Reach Passive Optical Networking Using OFDM-QAM, Padmabhooshan Vasantraodada Patil Institute Of Technology, Budhgaon (Sangli)

- December 2015 Miniaturization of Microstrip Antenna: A Review, IEEE International Conference on Information Process, VIT, Pune.
- April 2017 Design of Microstrip Filter, IEEE International Conference, Chennai.
- September 2017 Compact multiband antenna fed with wideband coupled line impedance transformer for improvement of impedance matching, Microwave and Optical Technologies Letters, Wiley Publications, Volume 59, Issue 9, PP. 2341–2348
- April 2018 Miniaturization of multiband annular slot ring antenna using reactive loading, Journal of Electromagnetic Waves and applications 2018, VOL. 32, NO. 14, pp. 1779–1790
- August 2018 Slot-loaded multiband miniaturized rectangular microstrip antenna for mobile communications, Information and communication technology for intelligent systems, Smart innovation systems and technologies 106, Springer Nature Singapore Pte Ltd. 2019
- March 2019 IoT Based Centralized Bank Security System for Mentoring and Auto-Arresting, Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6, Issue 3, March 2019, pp. 616-617
- September 2020 Design of RF Energy Harvesting System Using Microstrip Antenna, International Research Journal of Engineering and Technology (IRJET), Volume 7, Issue 9, September 2020, pp. 3273-3278
- April 2022 Metamaterial Loaded Miniaturized Microstrip Annular Slot Antenna with Increased Gain, 2022 2nd IEEE International Conference on Artificial Intelligence and Signal Processing (AISP), ISSN: 2640-5768, April 2022

## Short Term Training Programs/ Workshops

Successfully participated in over 30 faculty development programs, short-term training programs, webinars, outreach programs and workshops on technical topics. All these courses have been sponsored and approved by government recognized bodies such as AICTE, New Delhi, ISTE, New Delhi, NPTEL, IIT Madras, etc.

## Responsibilities handled

- Working as a president of the National Digital Library of India (NDLI) club.
- Working as a SPOC Coordinator, Local Chapter of NPTEL online course.
- Working as a In-charge of the Host Institute (HI) for implementation of the Incubation component under Micro, Small & Medium Enterprises, Ministry of India.
- Worked as a Event Performer in NDLI Club.
- Working as a Head of Department.
- Worked as a Session co chair in National Conference on “Science, Engineering & Technology for Sustainable Development” in Government College of Engineering, Karad, Maharashtra, India
- Worked as a reviewer in various National and International Conferences
- Worked as a chairman of Local Chapter of ISTE.
- Worked as a ISTE approved STTP coordinator
- Member in Technical Committee of State Level Technical Paper Presentation EVOLUTION
- Worked as Staff-coordinator of Telecommunication Research And Development Consortium (TRDC).
- Worked as Training and Placement Officer.

- Actively involved in Lab Development such as Lab Networking, Lab Setup.
- Worked as a reviewer for A.I.C.T.E. funded research project at R.I.T., Islampur
- Conducted guest lectures of Microwave Engineering, Antenna and Wave Propagation, and Electromagnetic engineering at various reputed colleges
- Actively involved in ARC center for college admission process

## Subject Expertise

- Electromagnetic Wave Theory
- RF Circuit Design
- Antenna and Wave Propagation
- Fundamentals of Microwave Engineering
- Advanced Microwave Engineering
- Optical Fiber communication
- Artificial intelligent, ANN
- Robotics and Machine Vision

## Expert Lectures/Resource Person

- Walchand College of Engineering, Sangli
- Department of Technology, Shivaji University, Kolhapur
- Kolhapur Institute of Technology, Kolhapur
- Shri Vithal Engineering Research Institute, Pandharpur
- Guorishankar Education Society's Satara College of Engineering, Satara
- Gharada Institute of Technologies, Lavel, Chiplun
- Shri Sant Gajanan Maharaj College of Engineering, Shegaon

## Contact information for three references

- Dr. Shraddha S. Deshpande, Professor  
Walchand College of Engineering, Sangli, Maharashtra, India  
Email: shraddha.deshpande@walchandsangli.ac.in, Mob.: +91-8698521028
- Dr. Anandrao B. Kakade, Professor  
Rajarambapu Institute of Technology, Sakharale, Maharashtra, India  
Email: anandrao.kakade@ritindia.edu, Mob.: +91-9860457585
- Prof. Uday A. Patil, Asst. Professor  
Department of Technology, Shivaji University, Kolhapur, Maharashtra, India  
Email: uap\_tech@unishivaji.ac.in, Mob.: +91-9823291109

## Declaration

I the undersigned hereby declare that the above said information is true and correct.

Date: June 7, 2022

Place: Kankavali

Signature:

S.S.Mulla

