

Somaiya Vidyavihar University

Name: Dr. Anudeepa S. Kholapure		E-mail: anudeepkholapure@somaiya.edu	
Contact No: 022-66449319			
Department/Section: Electronics and Telecommunication			
College: K J Somaiya College of Engineering			
DOJ Somaiya: 05/08/2002	Career Experience: 22 Yrs	Industry Experience: Nil	Teaching Experience: 22 Yrs
Present Academic Designation: Associate Professor		Present Administrative Designation: Associate HOD, EXTC	

Area of Research/Specialization and Courses Delivered

Research domain/interests/areas

1. UWB, MIMO and Reconfigurable Antennas
2. Cryptography and Network Security
3. Data Compression

Courses Delivered

1. Electrical Network Theory
2. Elements of Electronics and Electrical Engineering
3. Network Security
4. RF Filters and Antennas
5. Professional Skills and Programming Techniques (PhD Lab Course)
6. Hardware Design laboratory Course
7. Cryptography and Network Security
8. Network Security (M.Tech)
9. Python Programming
10. C programming

Recognition as a teacher by any University	UG: Yes	PG: Yes	Ph.D : Yes
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Details of Recognitions

1. Approved faculty and guide for UG, PG and Ph.D program under SVU
2. Approved faculty and guide for UG and PG program under Mumbai University

Education

Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D	Electronics Engineering	Mumbai	K J Somaiya College of Engineering, Mumbai	Jan 2020	
PG	Electronics and Telecommunication	Mumbai	Vivekanand Education Society's Institute Of Technology, Mumbai	Feb 2010	Distinction
UG	Electronics and Telecommunication	Amravati	V. Y. W. S College of Engineering, Badnera.	2001	Distinction

Research Accomplishments and Projects	
No of students completed PG thesis / Project work as on date: 01 (result awaited for the student)	No of students / groups completed UG projects as on date: 36
<p>Details of Publications:</p> <p>International Journals</p> <p>A. S. Kholapure, Dr. R. G. Karandikar “UWB Antenna With Reconfigurable Triple Band Notched Characteristics For Cognitive Radio” ICTACT Journal of communication technology, ISSN 2229-6948, Sept 2017, Vol No.8, Issue 3,1553-1558.</p> <p>Yash Ashra, Anudeepa Kholapure, Parth Sawant, Dharak Dalvi “Automation of Cafeteria Services in COVID-19” International Journal of New Innovations in Engineering and Technology, ISSN: 2319-6319, Nov 2021, Vol. No. 18, Issue 2, 1-6.</p> <p>Y. Pawse, S. Karthik, M. Malkar, V. Amal, A. Kholapure “Automation of Food Delivery Service in Railways” International Journal of Intelligent Machines and Robotics, 2024, vol(1),issue 4, pp.1, 337-360.DOI: https://doi.org/10.1504/IJIMR.2024.138952</p> <p>Conferences</p> <p>Niranjan Joshi, A. S. Kholapure “Implementation of UWB-MIMO Antenna with Finite Ground Plane”, International Conference on Advances in Engineering and Technology for Intelligent Systems (ICAETIS 2023)</p> <p>Vandana Satam, Chaitali Kulkarni and Anudeepa Kholapure “Microstrip Antenna as a Temperature Sensor for IoT Application” 1st IEEE International Conference Microwave, Antennas, and Propagation Conference (MAPCON) ,IEEE MTT/AP Society Bangalore Jt. Chapter MAPCON 2022, Bangalore, December 13-15, 2022.</p> <p>A. S. Kholapure and R. G. Karandikar presented paper on “Printed MIMO antenna with Reconfigurable Single and Dual Band Notched Characteristics for Cognitive Radio” 2017 IEEE International Conference on Antenna Innovations and Modern Technologies for Ground, Satellite and Aircraft Applications (iAIM 2017), Nov</p> <p>A. S. Kholapure and R. G. Karandikar presented paper on “Emerging Techniques for Printed Reconfigurable Antenna: A Review”, 2016 second IEEE international conference on Research in computational Intelligence and communication Networks (ICRCICN 2016), Sept 23-25, 2016, RCIT, Kolkatta.</p> <p>A. S. Kholapure and R. G. Karandikar presented paper on “Reconfigurable Multiband Antenna for Wi-Fi and C – Band Application” on 11th international conference on Microwaves, Antenna, Propagation and Remote Sensing (ICMAR 2015) on 14 Dec, 2015, Jodhpur, India.</p> <p>A. S. Kholapure, A. Agarwal, K. Aurobindo, S. Nema “Design of Timing Signal Generator (TSG) for low and medium PRF RADAR using FPGA ” in Second International Conference “Advances in Computer Vision and Information Technology (ACVIT 2009)”, Dr. Babasaheb Ambedkar Marathwada University Aurangabad, Maharashtra 431004, India, December 2009.</p>	

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A. S. Kholapure, A. Agarwal, K. Aurobindo, S. Nema , “Design of a Timing Signal Generator (TSG) for RADAR using FPGA” Second International Conference on “Emerging Trends in Engineering and Technology (ICETET 09)”, Nagpur.

National Conferences

A. S. Kholapure ,A. Agarwal, K. Aurobindo, S. Nema “Implementation of a Timing & Control Signals for RADAR system using VHDL” at National Conference on “Emerging Trends in Electronics and Telecommunication: Vision 2020” ,Jodhpur,Rajasthan,7th -8th March 2009

Books/Book Chapters

Reviewed five chapters of EN chapters of book “Network Analysis and Synthesis” from Mc Graw Hill Education, 15th March 2019.

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Title: Solar Water Purifier

Investigators: Abhishek Bhaduria, Dr. Kashinath Patil, *Dr. Anudeepa Kholapure*, Vedant Khatod, Yash Chandarana, Mehul Joshi, Pavitra Nayak, Harshit Raval, Prathamesh Joshi

Diary No: 5070/2023-CO-L

Status: Filed

No of Research / consultancy / projects completed:01 Rs: <u>25000</u>	No of Research / consultancy / projects on-going: Nil Rs:	No of Research / consultancy / projects on applied as on date: Nil Rs:
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Details of Research / consultancy / projects:01 Completed

Design and Development of Passive Temperature Sensor for IOT Application (Mumbai University Minor Grant)

FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered

Attended

1. “Python for Data Science”, NPTEL July – August 2022
2. “Data Science for Engineers”, NPTEL, July –September 2021
3. “LaTeX101x: LaTeX for students, Engineers and Scientists” organized by IITBombayX, 24th September- 2nd December 2019.
4. “Cryptography and Network Security” organized by Indian Institute of Technology Kharagpur, (Jan –April 2019)(12 weeks)
5. “Accreditation and outcome based learning” organized by NPTEL August – October 2019. (8 weeks)
6. “Analysis and Design Principles of Microwave Antennas”, IIT Kharagpur, August –September 2018 (8 weeks).

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7. “Designing Learner centric MOOCs” NPTEL. (4 weeks)

Organized/Technical Committee in STTP

- Member of organizing Committee for one week ISTE approved STTP on “Internet of Things: Multidisciplinary Approach for Future Innovations” Jan 02-06, 2023 organised by Electronics and Telecommunication Engineering in association with ISTE faculty Chapter KJSCE and IQAC-KJSCE.
- Technical committee member for one week Short Term Training Program on “RF Antenna: Design and Analysis”, at KJSCE, Mumbai from 18 – 23 June 2018.
- Co-ordinator for one week Short Term Training Program (STTP) on “Advances in antenna and RFIC/MMIC Design” at KJSCE, Mumbai from 24th -28th June’ 2013.
- Coordinator for laboratory session during **two week** Short Term Training Program on “Telecommunication Networks”, organized by KJSCE Vidyavihar, Mumbai-77, May **16 –May 27, 2005. (2 weeks)**

Organised Expert Lectures

- Online expert lecture on “Understanding the Review Process in Paper Publication” by Dr. Surendra Rathod, SPIT, Mumbai, for faculty, Ph.D SVU and M.Tech students, 1st June 2021
- Online expert lecture on “Skills for Organized Research” by Dr. Shrikant Joshi, VIIT, Pune, for faculty, Ph.D SVU and M.Tech students, 25th May 2021
- Online expert speaker on "Research Paper Writing -Do's and Dont's " for faculty, Ph.D,SVU and M.Tech students, 8th June 2021.
- Organized an online expert lecture for TY B.Tech students on "Applications and Opportunities in RF and Microwave Domain" by Dr. Shivraj Rathod, Bharat Forge Ltd, Pune.

Organised Workshops

- CST Microwave suite workshop for TY students, KJSCE Jan 2020.
- Workshop on “Learning Management System” for faculty, K. J. Somaiya College of Engineering
- Organized lecture on “Cell Tower Radiations: It’s Hazards and Solution” for faculty and M.E., T.E. students of the department, delivered by Dr. Girish Kumar, IITB on 5th March , 2013.
- Coordinated workshop on NEC open source software for T.E. students on 2nd February, 2013.
- Organized workshop on Spoken Tutorial on Scilab on 14th Aug, 2012 and 1st Sep, 2012.
- Seminar on Institute level research project titled “Design and Fabrication of Microstrip Components” on 15th January 2012.

Delivered Lectures

1. Webinar on “Antenna Engineering” for Maharashtra State Police Wireless Police department, Thane city on 12th December 2020.
2. Lecture on “Introduction to VHDL and its applications” for S.E. EXTC students at Don Bosco

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Institute of Technology, Vidyavihar on 7th October 2011.

3. Lecture on “Introduction to VHDL and its applications” for S.E. EXTC students at Don Bosco Institute of Technology, Vidyavihar on 6th April 2011.

Laboratory Development:

Developed Antenna laboratory with high end equipments like Vector Network Analyzer, Radiation Pattern Measurement kit, Spectrum Analyzer and RF sources. (Till Jan 2020)

Industry Collaboration:

1. Ongoing efforts to collaborate with Vedang Radio Technologies in RF domain,
2. External B.Tech Project titled Directional Coupler with specification as per industry standard (2022-23).
3. Research agreement with BITS, Hyderabad.

Present Positions and Responsibility

1.	Associate head (July 2021 – till date) <ol style="list-style-type: none">a. New Program CCE preparationsb. Website Updationc. Publicity of the departmentd. Monthly Report for Ranking Preparation
2.	Department Ph.D Coordinator (July 2020 –till date) <ol style="list-style-type: none">1. Department Coordinator for PhD Colloquium 2024
3.	Reviewer for International Conferences
4.	Member of editorial board of MAT Journal

Date: 22 / 08 / 2024

Dr. Anudeepa S Kholapure
Signature of Faculty Member