

Somaiya Vidyavihar University

Name: Dipak Kulkarni		E-mail: dipakkulkarni@somaiya.edu	
Contact No: 02266449312			
Department/Section: EXTC			
College: K J Somaiya College of Engineering			
DOJ Somaiya: 01/08/2002	Career Experience: _21 Yrs	Industry Experience: __- _Yrs	Teaching Experience: _ 21_Yrs
Present Academic Designation: Assistant Professor		Present Administrative Designation: -	

Area of research/specialization and Courses Delivered
<p>Research domain/interests/areas</p> <ol style="list-style-type: none"> 1. RF microwave 2. AR/VR Metaverse 3. Optical fiber communication <p>Courses Delivered</p> <ol style="list-style-type: none"> 1. Microwave Engineering 2. RF Filters and Antennas 3. Electromagnetic Field Theory 4. Optical Fiber Communication 5. Millimeter Wave Communication

Recognition as a teacher by any University	UG: Yes	PG: Yes	Ph.D : No
<p>Details of Recognitions</p> <ol style="list-style-type: none"> 1. UGC approved teacher of Mumbai University for UG 2. UGC approved teacher of Mumbai University for PG 			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D					
PG	M.E (Electronics and Telecommunication)	Mumbai University	K. J. Somaiya college of Engineering	2013	70 %
UG	B. E (Electronics and Telecommunication)	NM University	SES College of Engineering	1999	66%
Diploma					
NET/SET/Other					

Notable Experience Details					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	K. J. Somaiya college of Engineering	Assit. Prof	01/08/2002	Till date	21
2.					

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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: 10		No of students / groups completed UG projects as on date: 35
Publications Total: 8	Number of Peer review Journal papers: 1	Number of Conference papers: 7
<p>Details of Publications:</p> <p>International Journals</p> <ol style="list-style-type: none"> 1. “A 2-Way Radial Power Combiner”, International Journal of Innovative Science, Engineering & Technology, Vol. 8 Issue 6, June 2021, ISSN (Online) 2348 – 7968 <p>Conferences</p> <ol style="list-style-type: none"> 1. “Acousto-Optic Tunable Filters for WDM Technology,” National Conference on Trends in Telecom Transmission: Copper to Fiber, Mar 17-18, 2006, at Department of Electronics and Telecommunication Engineering, KJSCE, Mumbai-77. 2. “Analysis of Real Time Biometric system for Object Recognition and Tracking” International conference on Sunrise Technologies, Jan 13-15, 2011 Icost-2011, at SSVPS college of Engg. Dhule. 3. “ Ultra Wideband Microstrip Antenna with Single Notched Characteristics” National Conference on Communication, Antenna and Signal Processing, Dec 23-24, 2011, at Dr.Babasaheb Ambedkar Technological University, Lonere. 4. “ Energy Harvesting using Rectenna Technique and Wireless Power Transmission” National Conference on Innovation and Advancement in Information Technology (NCIAT 2016), ISBN 978-81-925114-8-1, Feb 20, 2016, SIES college of Engg., Mumbai., 5. “Ultra wideband microstrip antenna with dual notched characteristics using SSR,” International Conference on Advances in Recent Technologies in Communication and Computing, ARTCom 2012, The Association of Computer Electronics and Electrical Engineers (ACEEE) Bangalore, India, Oct 19-20, 2012. Published in IET Digital Library. 6. “A Compact Planar Antenna for Low Frequency Mobile Communication”, International Conference on Electronics, Communication and Aerospace Technology (ICECA 2017), IEEE Conference, ISBN:978-1-5090-5686-6/17, 20,21,22 April 2017, RVS technical campus Coimatore, India. 7. “ Modeling of Half Impulse Radiating Antenna (HIRA) for different Feed Arm Angles”, International conference on Recent Advances in Engineering Science and Technology (ICRAEST 2018), IEEE Conference, ISBN:9788193221303, Nov 2018, Pune. 		
No of Research / consultancy / projects completed: Rs: <u>80000</u>	No of Research / consultancy / projects on-going: Rs: <u>-</u>	No of Research / consultancy / projects on applied as on date: Rs: <u>-</u>
<p>Details of Research / consultancy / projects: Completed</p> <ol style="list-style-type: none"> 1. Completed in house funded project on topic “Object recognition and Tracking Robot”, in year 2009-2010. 2. Completed research project on “Design and development of active & passive devices for enhancement of Antenna & Microwave laboratory facility”, Minor research Grant sanctioned by University of Mumbai for the financial year 2016-17. 3. Completed research project on “Automated Drip Irrigation System for Home Gardening”, Minor research Grant sanctioned by University of Mumbai for the financial year 2018-19. 4. Completed research project on “Design and Development of Radial power combiner and divider for high power microwave applications”, Minor research Grant sanctioned by University of Mumbai for the financial year 2019-20. 		

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

Attended:

1. Attended two day seminar on “Circuit Simulation” during 31st Jan and 1st Feb, 2003, Organized by department of Electronics Fr. C. R. C. E., Mumbai -50.
2. Attended two day seminar on” Lasers and Applications” during 30 – 31 Jan, 2006, Organized by Shah and Anchor Kutchhi COE, Mumbai in association with Bhabha Atomic Research Center, Mumbai.
3. Attended two day seminar on” MATLAB and Simulink” during 7- 8 Oct, 2005, Organized by MIT Engineering College, Pune.
4. Attended ISTE approved Short Term Training Program on “Telecommunication Networks,” during 16 – 27 May, 2005, Organized by Department of Electronics and Telecommunication Engineering, KJSCE Mumbai-77.
5. Attended ISTE approved Short Term Training Program on “Microwave Integrated Circuit Design,” during 8 – 14 Jan, 2007, Organized by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai-22
6. Attended ISTE approved Short Term Training Program on “Laboratory Tools and Practices in Microcontrollers and Signal Processing,” during 3 – 13 July, 2007, Organized by Department of Electronics and Telecommunication Engineering, KJSCE, Mumbai-77
7. Attended Three days INUP Familiarization Workshop on "Nanofabrication Technologies" during December 16–18, 2015. at IIT Bombay.
8. Attended Two week ISTE approved workshop on "CMOS, Mixed Signal and Radio Frequency VLSI Design" during January 30 - February 4, 2017 at KJSCE remote center, organized by IIT Kharagpur, under National Mission on Education through ICT, a MHRD project.
9. Attended Two week AICTE approved FDP101x on " Foundation Program in ICT for Education", during Aug. 3, 2017 to Sep. 7, 2017 at KJSCE remote center organised by IIT Bombay under National Mission for Teachers and Teaching, MHRD, GOI.
10. Attended Two week AICTE approved FDP201x on " Pedagogy for Online and Blended Teaching Learning Process", during Sep. 14, 2017 to Oct. 12, 2017 at KJSCE remote center organised by IIT Bombay under National Mission for Teachers and Teaching, MHRD, GOI.
11. Attended An online course on "Work Place Communication", Oct. 04, 2018 to Nov. 12, 2018, Under College TO Corporate program, an initiative of IITB.
12. Attended An online course on "Soft Skills", Sep. 06, 2018 to Oct. 04, 2018, Under College TO Corporate program, an initiative of IITB.
13. Attended An online course on "Effective use of IT for Professional Activities", Sep. 06, 2018 to Nov. 11, 2018, Under College TO Corporate program, an initiative of IITB.
14. Attended One week workshop on " Practical RF/Microwave Active Circuit Design" during Jan. 2-6, 2019 at Bits Pilani, Hyderabad.
15. Attended NPTEL online certification on “Introduction to Research”. Aug-Oct 2019 (8 weeks), organized by IIT Madras.

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16. Attended One week online STTP on “Sensor, IoT & Machine Learning”, 1st June 2020 to 5th June 2020 conducted by K. J. Somaiya College of Engineering, Vidyavihar, Mumbai.

17. Attended Two day webinar on “Antenna Designing and Troubleshooting using CST Studio Suite”, June 16-17, 2020, conducted by Dept. of Electronics & Communication Engineering, Graphic Era (Deemed to be University), Dehradun in association with Jyoti Electronics, Ahmedabad.

18. Attended Two day webinar on “Design and simulation of RF modules using CST studio suite 2020.06”, July 25-26, 2020, organized by Dept. of Electronics & Telecommunication Engineering, St. Francis institute of technology, Borivali, Mumbai.

19. Participated & completed AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 2020-12-7 to 2020-12-11 at SRM INSTITUTE OF SCIENCE AND TECHNOLOGY.

20. Attended One week faculty development on “Research and Application perspective of artificial intelligence”, Dec 21-25, 2020, organized by Dept. of Electronics & Telecommunication Engineering, VIIT, Pune.

21. Attended An online course on “Cloud computing Basics (Cloud 101)”, Sept. 23, 2022, authorized by LearnQuest, Coursera online certification program.

22. Attended An online course on “Introduction to Virtual Reality”, Oct. 13, 2022, authorized by University of London, Goldsmiths, Coursera online certification program.

Organized:

1. Organized ISTE approved Short Term Training Program on “Advances in Antenna and RFIC/MMIC Design” during 24-28 June, 2013, at K. J. Somaiya College of Engineering, Mumbai - 77.

2. Organized A Webinar on "METAVERSE: THE NEXT DIGITAL DIMENSION", April 30, 2022, in association with the ISTE Teachers chapter of K J Somaiya College of Engineering at Somaiya Vidyavihar University, Mumbai.

3. Organized one week ISTE approved STTP on “ Internet of things: Multidisciplinary Approach for Future Innovations”, Jan 02 – 06, 2023, in association with Department of EXTC, ISTE faculty chapter and IQAC-KJSCE at K. J. Somaiya college of Engineering.

Notable Positions and Responsibility

1.	MTech Coordinator of EXTC Dept.
2.	UG Project Coordinator

Date: 23 / 02 / 2023

Signature of Faculty Member