

Name of Teaching Staff	: Dr. Sanjay B. Deshmukh
Designation	: Assistant Professor
Department	: Electronics & Telecommunication Engineering
Date of Joining the Institution	: 4.8.2003
Email ID	: <a href="mailto:sanjay.deshmukh@djsce.ac.in">sanjay.deshmukh@djsce.ac.in</a>
Office Contact	: 022-42331212



Google Scholar Link	: <a href="https://scholar.google.com/citations?user=RTMflrYAAA&amp;hl=en">https://scholar.google.com/citations?user=RTMflrYAAA&amp;hl=en</a>
ResearchGate Link:	: <a href="https://www.researchgate.net/profile/Sanjay-Deshmukh-13">https://www.researchgate.net/profile/Sanjay-Deshmukh-13</a>
ORCID	: <a href="https://orcid.org/0000-0001-7962-0250">https://orcid.org/0000-0001-7962-0250</a>

Qualifications with Class / Grade	: <ol style="list-style-type: none"> <li>1. Ph.D. in Electronics &amp; Telecommunication Engineering from University of Mumbai on Topic “Analysis and Design of High Gain Broadband Microstrip Antennas”.</li> <li>2. M.E. (Digital Electronics) from Sant Gadge Baba University of Amravati in June, 2006, 1<sup>st</sup> class 61.38%.</li> <li>3. B.E. (Electronics &amp; Telecomm. Engineering) from University of Amravati in June 1994, 1<sup>st</sup> class 61.48%.</li> </ol>
-----------------------------------	---

Total Experience in Years	: <p><b>Teaching: 24 years</b></p> <ol style="list-style-type: none"> <li>1. Assistant Professor, D.J. Sanghvi College of Engineering from 1.1.2006 to till date.</li> <li>2. Dept. of Elect. &amp; Telecom. Engg., D. J. Sanghvi College of Engg. from 4.8.2003 till 31.12.2005.</li> <li>3. Lecturer, Rajiv Gandhi Institute of Technology Versova, Mumbai from 16.9.2002 to 3.8.2002.</li> <li>4. Lecturer, Muchhala Polytechnic, Thane, from 07.07.1997 to 15.9.2002.</li> </ol> <p><b>Industry:</b> Two years in Electronics Control System, Dadar, Mumbai.</p>
---------------------------	--

Papers Published in Journal:	: <p><b>National: 3</b></p> <p>[1] Sanjay Deshmukh, N.N. Mhala, “Comparison of Open Source RTOSs Using Various Performance Parameters”, International Journal of Electronics Communication and Computer Engineering Vol. 4, No. 2, pp. 86-91.</p> <p>[2] Sanjay Deshmukh, Pooja Jain, “Comparison of Open Source RTOSs Using Various Performance Parameters”, International Journal of Electronics Communication and Computer Engineering Vol. 4, No. 2, pp. 73-76.</p>
------------------------------	---

Papers Presented in Conferences

[3] Sanjay Deshmukh, Pooja Jain, "USB To USB Data Transfer Without PC", International Journal of Electronics Communication and Computer Engineering Vol. 4, No. 2, pp. 77-80.

**International:** 5

[1] Sanjay Deshmukh, Amit A. Deshmukh, "Wideband Designs of Sectoral Microstrip Antennas Using Parasitic Arc Shape patches", Progress In Electromagnetics Research C, vol. 98, pp. 97-107,2020.  
DOI:10.2528/PIERC19110704.

[2] Sanjay Deshmukh, Amit A. Deshmukh, "Wideband Designs of Rectangular Microstrip Antennas Using Parasitic Patches Coupled Along Radiating Edge", International Journal of Microwave and Optical Technology, vol.15, no.3, pp. 259-268, May 2020.

[3] Sanjay Deshmukh, Amit A. Deshmukh, "Series Fed Designs of Planar Half Circular and Hexagonal Microstrip Antenna Arrays for Reduced First Side Lobe Level Radiation", International Journal of Microwave and Optical Technology, vol.16, no.3, pp. 268-278, May 2021.

[4] Sanjay Deshmukh, Amit A. Deshmukh, "Series Fed Designs of Planar Circular and Hexagonal Microstrip Antenna Arrays for High Gain and Reduced First SideLobe Level Radiation", Journal of Microwaves, Optoelectronics and Electromagnetic Applications, Vol. 21, No. 1, March 2022 DOI: <http://dx.doi.org/10.1590/2179-10742022v21i11398>.

[5] Sanjay B. Deshmukh, Amit A. Deshmukh, "Microstrip-line Resonator Fed Rectangular Microstrip Antennas with Enhanced Bandwidth", International Journal of Microwave and Optical Technology, vol.17, no.1, January 2022.

**National:** 1

[1] Sanjay Deshmukh, "Comparison of open source RTOSs using various performance parameters", National Conference, REACT-2013, B.D College of Engineering, Sewagram, Wardha, M.S, February 14th 2013.

**International:** 10

[1] Sanjay Deshmukh, "Performance parameters of RTOSs; comparison of open source RTOSs & benchmarking techniques", International Conference, NMIMS MPSTME Mumbai, January 23rd-25th 2013.

[2] Sanjay Deshmukh, Amit A. Deshmukh, “Analysis and Design of Broadband Corner Truncated Rectangular Microstrip Antenna”, International Conference, APSYM 2016, CUSAT, Cochin, Dec.15-17,2016.

[3] Sanjay Deshmukh, Amit A. Deshmukh, “Wideband Designs of 60<sup>o</sup> Sectoral Microstrip Antenna Using Parasitic Angular Sectoral Patches”, International Conference on Wireless Communication, ICWiCOM 17, DJSCE, Mumbai, Jan.17-18,2018.

[4] Sanjay Deshmukh, Amit A. Deshmukh, “Proximity Fed Broadband Equilateral Triangular Microstrip Antenna Using Parasitic Isosceles Triangular Patches”, APSYM 2018, Cochin University of Science and Technology (CUSAT), Cochin, India December 3 - 5, 2018.

[5] Sanjay Deshmukh, Amit A. Deshmukh, et al, “Proximity Fed Broadband Equilateral Triangular Microstrip Antenna Using Parasitic Rectangular Patches”, National Conference on Communications NCC 2019. DOI: 10.1109/NCC.2019.8732200.

[6] Sanjay Deshmukh, Amit A. Deshmukh, “Wide Band Designs of Rectangular Microstrip Antenna Using Parasitic C Shaped Patches”, International Conference on Wireless Communication, Springer, 2019. DOI.org/10.1007/978-981-15-1002\_5.

[7] Sanjay Deshmukh, Amit A. Deshmukh, et al, “Proximity Fed Rectangular Microstrip Antenna Using Ring Shaped Parasitic Patches”, 2nd Indian Conference on Antennas & Propagation (InCAP2019), IEEE, December 19-22, 2019, Ahmedabad, India.

[8] Sanjay Deshmukh, Amit A. Deshmukh, “Proximity Fed Rectangular Microstrip Antenna Using Parasitic Semi-Circular Shaped Patches”, 3<sup>rd</sup> International Conference on Communication Systems, Computing & IT Applications, IEEE, April 3-4 ,2020, SFIT, Mumbai.

[9] Sanjay Deshmukh, Amit A. Deshmukh, “Microstrip-line Resonator Fed Rectangular Microstrip Antenna Using Gap-coupled Parasitic Semi-circular Shape Patches”, International Conference on Wireless Communication, Springer, 2021.

[10] Sanjay Deshmukh, Amit A. Deshmukh, “Microstrip-line Resonator Fed Equilateral Triangular Antenna Using Gap-coupled Parasitic Triangular Shape Patches”, International Conference on Wireless Communication, Springer, 2021.

Area of Specialization

**Embedded Systems**

PhD Guide ? Give field & University

: **Field:**  
**University:**

PhDs / Projects Guided	:	<b><u>PhDs :</u></b> <b><u>Projects at Masters level:</u></b>	
Books Published / IPRs / Patents	:	Books	1. "Network Synthesis and Filter Design", Technmax Publication, Pune. 2. "Embedded Systems and Real Time Programming", Techmax Publication, Pune.
Professional Memberships	:	<b>Life Member of Indian Society of Technical Education (ISTE)</b>	<b>LM 41537</b>
Consultancy Activities	:		
Awards	:		
Grants fetched	:	University of Mumbai	Research Project No: 531, Ref No. APD/237/429/2017, Minor Research Grant from University of Mumbai for project "Soil based data acquisition system & weather forecasting".
Interaction with Professional Institutions	:		
Subjects Taught		<b><u>UG Level:</u></b> Electrical Network Microprocessor Microcontroller Embedded Systems  <b><u>PG Level:</u></b> Embedded Systems	
Projects Guided	:	<b><u>UG Level:</u></b> <b><u>1.</u></b> "IoT Based Smart Office Automation using RPI", "Coal Mine Safety Monitoring and Alerting System", "Glucose measuring device based on Near Infrared Spectroscope".  <b><u>2.</u></b> "Spot Clock using Arduino and Wi-Fi shield", "Home Security and smart bell using Raspberry Pi", "Intelligent Robot for Warehouse and Supply Chain Automation".  <b><u>3.</u></b> "Machine learning based Heads - up display using Raspberry Pi", "Currency and Counterfeit Currency Detection using Digital Image Processing".  <b><u>PG Level:</u></b> <b><u>1.</u></b> Pooja Jain, "Generating Motion for Bipedal Humanoid Robot". <b><u>2.</u></b> Tushar Sawant, "USB To USB Data Transfer Without PC". <b><u>1.</u></b> Pradeep Yadav, "Voice Controlled Robotic Car". <b><u>4.</u></b> Sonali Lagu, "ARM based Automation of Water Treatment Plant". <b><u>5.</u></b> Vishal Shukla, "Implementation of Traffic Engineering using MPLS Technology". <b><u>5.</u></b> Rehab Ansari, "Energy Efficient Routing in Wireless Sensor Networks".	

Recommended Students for Higher Education	<u><b>Name of the Student</b></u> 1.Asmita Dabholkar	<u><b>University/Industry</b></u> Master of Science, University of Illinois Urbana-Champaign
Institute/Department Responsibility handled:	<ul style="list-style-type: none"> <li>➤ D.J. Antariksh Team Coordinator</li> <li>➤ Alumni Committee Department Level Coordinator</li> <li>➤ Department Purchase Coordinator</li> <li>➤ NAAC Criteria 4 Department Level Coordinator</li> <li>➤ NBA Criteria 10 Institute Level Coordinator</li> <li>➤ Admission Committee Member</li> <li>➤ Time Table Coordinator</li> </ul>	
Pedagogy Development		