

Name of Teaching Staff	:	Prof. Amit A. Deshmukh
Designation	:	Professor & Head
Department	:	Electronics & Telecommunication Engineering
Date of Joining the Institution	:	17.07.2008
Email ID	:	amit.deshmukh@djsce.ac.in
Office Contact	:	022 – 2433 5025
Google Scholar Link	:	https://scholar.google.co.in/citations?user=uGTsjbQAAAAJ&hl=en
Researchgate Link:		https://www.researchgate.net/profile/Amit-Deshmukh
ORCID		https://orcid.org/0000-0001-8299-5758
Scopus ID		https://www.scopus.com/authid/detail.uri?authorId=9239822800
IRINS		https://djsce.irins.org/profile/335394
Web of Science		https://www.webofscience.com/wos/author/record/AAB-4944-2022
Qualifications with Class / Grade	:	1. Ph. D. Department of Electrical Engineering, I. I. T. Bombay, Powai, 400 076, India, Thesis: Compact Broadband and Dual band Microstrip Antennas Area of Specialization – Microwave & Antennas 2. M.Tech. (Communication), Department of Electrical Engineering, I. I. T. Bombay, Powai, 400 076, India 3. B.E. (Electronics), Vishwakarma Institute of Technology, Pune University
Total Experience in Years	:	Teaching: 18+ years July 2010 – till date, Professor & Head, Department of Electronics and Telecommunication Engineering, SVKM's D. J. Sanghvi College of Engineering (DJSCE), Vile-Parle (W), Mumbai, Maharashtra, India. Industry: -- Member of Technical Staff, R&D Group, Air Tight Networks Pvt. Ltd., Aundh, Pune. Research: -- Research Assistant (Aug. 1997 – Dec 1999), Teaching Assistant, (Jan 2000 – July 2004), Department of Electrical Engineering, I. I. T. Bombay, Powai, 400 076, India.
Papers Published in Journal:	:	<u>National & International: 100 +</u> <u>List of Journal Publications (Over last one year, Jan 2026 – till date)</u> [1] Venkata A. P. Chavali, Amit A. Deshmukh, "Shorted Microstrip Line Fed Wideband Design of E-Shape Microstrip Antenna Loaded with Printed Rectangular Resonator", Progress in Electromagnetics Research C, Vol. 163, pp. 81 – 90, 2026 (https://www.jpier.org/issues/volume.html?paper=25101901, doi:10.2528/PIERC25101901). [2] Venkata A. P. Chavali, Amit A. Deshmukh, "Thinner Substrate Wideband Designs of Proximity Fed Rectangular Microstrip Antennas For GSM Band applications", International Journal of Microwave and Wireless Technology, pp. 1 – 11, 2026, Cambridge Publication, (DOI: https://doi.org/10.1017/S1759078725102754). [3] Amit A. Deshmukh, Spoorthi Shetty, Jash Furia, Nidhi Gandhi, "Circular Microstrip Antenna Loaded With Shorting Posts and Sectoral Slots For Lower Cross-Polar Radiation", Journal of Microwaves, Optoelectronics and Electromagnetic Applications,

Papers Presented in Conferences	Vol. 25, No. 1, e2026298802, pp. 1 – 18, Mar 2026, DOI: https://dx.doi.org/10.1590/2179-10742026v25i1298802. [4] Amit A. Deshmukh, Aneya Soneji, Ayush Jain, Dhyey Pau, “Gap-coupled Design Of U-slot Cut Square Microstrip Antenna For Wideband Circular Polarized Response In GSM Application”, International Journal of Microwave and Optical Technology, Vol. 21, no. 1, pp. 49 – 57, January 2026. [5] Amit A. Deshmukh, Devika Panicker, Aarya Gaonkar Venkata A. P. Chavali, “Elliptical Shape Microstrip Antennas Loaded with Plus Shape Slot For Compact and Wideband Circular Polarized Response”, AEU International Journal of Electronics and Communication, Volume 207, March 2026, 156239, (https://doi.org/10.1016/j.aeue.2026.156239, https://www.sciencedirect.com/science/article/abs/pii/S1434841126000452). [6] Amit A. Deshmukh, “Wideband Circular Polarized Designs of Circular Microstrip Antennas Backed by U-slot Cut Modified Ground Plane For GSM Band Applications”, Electromagnetics journal, https://doi.org/10.1080/02726343.2026.2647005. [7] Amit A. Deshmukh, Sujay Tawde, Sanjay B. Deshmukh, “Compact Designs of U-slot cut Hexagonal Microstrip Antennas Loaded with Shorting Posts For Circular Polarized Response”, Progress in Electromagnetics Research C, Vol. 170, pp. 97 – 111, 2026 (https://www.jpier.org/PIERC/pier.php?paper=26032307, http://dx.doi.org/10.2528/PIERC26032307). [8] Amit A. Deshmukh, Mihir Sanghvi, Tanisha Gosalia, Dhyey Pau, Venkata A. P. Chavali, “Bandwidth Enhancement Method for Regular Shape Microstrip Antennas on Thinner Substrate”, International Journal of Microwave and Optical Technology, Vol. 21, no. 4, pp. 443 – 451, July 2026. [9] Amit A. Deshmukh, Gaurang Ganjre, Soham Hanchate, Venkata A. P. Chavali, “Wideband Compact Designs of Circular and Equilateral Triangular Microstrip Antennas Employing Rectangular Slots cut Ground Plane”, International Journal of Communication Systems, (https://doi.org/10.1002/dac.70585). [10] Amit A. Deshmukh, “Designs of Square Microstrip Antennas Backed by Modified Ground Plane for Circular Polarized Response”, International Journal of Electronics, https://www.tandfonline.com/doi/full/10.1080/00207217.2026.2724108. [11] Ankita Malhotra, Priyal Veera, Aryan Bhalkar, Rajiv Datta, Shubham Tayade, Amit A. Deshmukh, “Bistatic Radar for Multi-Target Detection Using Microstrip Patch Antennas”, Progress in Electromagnetics Research C, Vol. 173, pp. 103 – 115, 2026 (https://www.jpier.org/PIERC/pier.php?paper=26051202, doi:10.2528/PIERC26051202). [12] Amit A. Deshmukh, Shreya Dalvi, Simonee Shah, Pranita Kakirde, Manav Bosmiya, “Thinner Substrate Compact Wideband Design of Pentagonal Shape Microstrip Antenna”, International Journal of Microwave and Optical Technology, Vol. 21, no. 5, pp. 589 – 597, September 2026. <u>National & International: 300 +</u> <u>List of Conference Publications (Over last one year, Jan 2026 – till date)</u> [1] Venkata A. P. Chavali, Devansh Bohare, Jagat Swarup, Amit A. Deshmukh, “Electromagnetically fed Gap coupled Slot-cut Equilateral Triangular Microstrip Antenna for Wide Bandwidth”, Proceedings of ET2ECN 2026, SVNIT, Surat, Gujrat, India, (conference proceedings on Springer, LNEE). [2] Amit A. Deshmukh, Tanisha Gosalia, Mihir Sanghvi, Dhyey Pau, “Microstrip Antenna Array Employing Rectangular Patches For High Gain Wideband Response”, Proceedings of ICICGR 2026, 24th & 25th April 2026, SSGMCE, Shegaon, Maharastra, India, IEEE Proceedings, Electronic ISBN:979-8-3315-7681-3, Print on Demand (PoD) ISBN:979-8-3315-7682-0, https://ieeexplore.ieee.org/document/11600303, (https://doi.org/10.1109/ICICGR68236.2026.11600303). [3] Venkata A. P. Chavali, Akshit P., Amit A. Deshmukh, “Rectangular Slots-cut Circular Microstrip Antenna Loaded with Resonant Ring and Annular Sectors for Broadband Response”, accepted for publication in MAPCON 2026, VNIT, Nagpur, India, (conference proceedings on IEEE explorer).
--	--

		[4] Venkata A. P. Chavali, Amit A. Deshmukh, “Electromagnetically Fed Slot cut Circular Microstrip Antennas for Dual Band Circular Polarized Response”, accepted for publication in MAPCON 2026, VNIT, Nagpur, India, (conference proceedings on IEEE explorer).
Area of Specialization		Microwave and Antennas
PhD Guide? Give field & University	:	<u>Field:</u> <u>University:</u> Antennas <u>Mumbai</u>
PhDs / Projects Guided	:	<u>PhDs :</u> <u>Projects at Masters level:</u> 07 completed, 1 on-going

Books Published / IPRs / Patents	:	Book	Venkata A. P. Chavali, Amit A. Deshmukh, Aarti G. Ambekar, 'Neural Network Modelling of Microstrip Antennas', Authored book (research monograph) in book series, Studies in Smart Technologies, Springer publication, https://link.springer.com/book/10.1007/978-981-96-9431-0 .
		Patents	[1] Applicant: Reuben Manjaly, SVKM's DJSCE, Inventors: Reuben Manjaly Bhaumik Thakkar, Sanchit Patil, Anish Koyande, Vedant Singh, Venkatramanan V., Sanjay Deshmukh, Amit A Deshmukh, Hari Vasudevan, '6-Bar linkage Mechanism For Rover Suspension on un-even inclines', India, 91, 202321049933, Date of Publication 06/10/2023. [2] Venkata A. P. Chavali, Amit A. Deshmukh, Aarti G. Ambekar, Hari Vasudevan, Tushar V. Sawant. 'Reconfigurable Sectoral Microstrip Antennas For Wideband And Circularly Polarized Response', India, 91, Application no. 202321080257, Date of Publication 12/01/2024, Granted – 30/06/25. [3] Amit A. Deshmukh, Kushal Katira, Aarti G. Ambekar, Venkata A. P. Chavali, Hari Vasudevan, Tushar V. Sawant. 'Compact Wideband gap-coupled variations of Hexagonal Microstrip Antennas on thinner substrate', India, 91, Application no. 202421022000, Date of Publication 19/04/2024, Granted – 21/11/24. [4] Manav Pandya, Kimaya Ved, Amit A. Deshmukh, Sanika Ajgaonkar, Pranaav Contractor, Mrunmayee Pawar, Jay Kawa, A Planetary Probe device with Enhanced Payload Protection and Method Thereof, India, 91, Application no. 202421076282, Date of Publication 15/11/2024. [5] Applicant: SVKM's DJSCE, Inventors: Dhruv Panchal, Debanshu Saha, Markar Darshan, Simoni Thakkar, Supriya Dhicholkar, Amit A Deshmukh, Hari Vasudevan, Kranti Ghag, 'A smart wardrobe', India, 91, 202521077917, Date of Publication 29/08/2025.
		Design Registration	[1] Ankit Sawant, Om Kumbhar, Chaitanya Sawant, Harshal Warde, Sunil Karamchandani, Venkatramanan V., Yukti Bandi, Amit A Deshmukh, Hari Vasudevan, "Smart pest control and irrigation system", Design registration Granted – 09th April 2025, application no. 431426-001. [2] Viraj Deshmukh, Venkatramanan V., Archana Chaudhari, Mrunalini Pimpale, Tushar Sawant, Amit A Deshmukh, Hari Vasudevan, "Embedded Smart System

		Integrator”, Design registration filed (application no. 431432-001). [3] Manav Pandya, Tushar Sawant, Amit A. Deshmukh, Diti Mehta, Jainam Kariya, Mihir Mashruwala, Dhvani Gajra, Pratham Vadgama, Prem Savla, Dhruv Joshi, Om Kulkarni, “Canister Satellite Payload with Deployable Quad-Blade Auto-Gyro Descent System”, Design registration Granted – 14th September 2026, application no. 467132-001. [1] Bansi Sampat, Hari Vasudevan, Kranti Ghag, Narendra Shekokar, Amit A Deshmukh, Title of work – Idea to Impact: A Plastic Recycling Patent, Registration number L-157268/2024 Dated 25/11/2024, Diary Number: 31858/2024-CO/L, Date of Application: 11/10/2024. [2] Rujul Pawar, Samar Mhetre, Amit A Deshmukh, SatishKumar Chavan, Hari Vasudevan, Title of work – Refreshable braille actuator system for visually challenged person, Certificate No.: LD-20260190149, Application number LD-53587/2025-CO, Dated 22/12/2025, Date of ROC: 29/06/2026.
Professional Memberships	:	
Consultancy Activities	:	
Awards	:	
Grants fetched	:	
Interaction with Professional Institutions	:	Played key role in establishment of Doppler radar at DJSCE, a project coordinated by IITM Pune and an MoES initiative.
Subjects Taught		<u>UG Level:</u> <u>PG Level:</u> UG: Antennas and Wave Propagation, Microwave and fiber optics communication, Optical Fiber Communication, Principles of Communication Engineering, Electromagnetic Wave Theory, Radio Frequency Circuit Design, Microwave devices and Circuits, R F Modeling and Antennas, Digital Communication, Electronic devices and circuits. PG: Antenna Theory and Design, Microwave Integrated Circuits, Solid state Microwave Amplifier and Design, Advanced Antenna & Arrays, R F and microwave Engineering, Advanced Antenna Design
Projects Guided	:	<u>UG Level: More than 40 projects guided over last fifteen years on antenna design</u> <u>PG Level: Projects guided 26 completed</u>

Recommended Students for Higher Education		<u>Name of the Student</u> <u>Recommended more than 60 students for higher studied across globe and India.</u>	<u>University/Industry</u>
Institute/Department Responsibility handled:		➤ Working as department head since 2010, and thus deals with day-to-day academic and administrative responsibility related to the all aspects of function of EXTC department.	
Pedagogy Development		E-content developed for microwave and antenna design https://www.youtube.com/@AmitDeshmukh-zg5pw	