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| Papers Published in Journal: | : National & International: 50+ (list of last two years given below) | |
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| | <p>[72] Venkata A. P. Chavali, Amit A. Deshmukh and Aarti G. Ambekar, “Analysis of Star Shape Microstrip Antenna with Multiple Shorting Posts for Wideband Response”, Proceedings of PuneCon 2020, 16th – 18th December 2020, VIT Pune, India (DOI: 10.1109/PuneCon50868.2020.9362391).</p> <p>[73] Amit A. Deshmukh and Anuja Odhekar, “Modified Phi-shape Microstrip Antenna For Circularly Polarized Response”, Proceedings of PuneCon 2020, 16th – 18th December 2020, VIT Pune, India (DOI: 10.1109/PuneCon50868.2020.9362408).</p> <p>[74] Venkata A. P. Chavali, Amit A. Deshmukh and Aarti G. Ambekar, “Wideband Designs of Offset U-slot and Dual U-slot cut Rectangular Microstrip Antennas”, Proceedings of ICNTE 2021, 15th & 16th January 2021, FRIT Mumbai, India (DOI: 10.1109/ICNTE51185.2021.9487584).</p> <p>[75] Aarti G. Ambekar, Amit A. Deshmukh and Venkata A. P. Chavali, “Dual Band Circular Polarized Microstrip Antenna Using Defected Ground Structure”, Proceedings of ICNTE 2021, 15th & 16th January 2021, FRIT Mumbai, India (DOI: 10.1109/ICNTE51185.2021.9487711).</p> <p>[76] Amit A. Deshmukh and Anuja Odhekar, “CPW Fed Broadband Circularly Polarized Corner Truncated Slot Antenna”, Proceedings of ICNTE 2021, 15th & 16th January 2021, FRIT Mumbai, India (DOI: 10.1109/ICNTE51185.2021.9487713).</p> <p>[77] Aarti G. Ambekar, Amit A. Deshmukh and Venkata A. P. Chavali, “Polarization Agile Circular Microstrip Antenna”, Proceedings of ICAST 2021, 7th & 8th May 2021, KJSIET Mumbai, India (SSRN: https://ssrn.com/abstract=3868009 or http://dx.doi.org/10.2139/ssrn.3868009).</p> <p>[78] Aarti G. Ambekar, Amit A. Deshmukh and Venkata A. P. Chavali, “Investigation Into Circular Polarized Response of Square Microstrip Antenna using Defected Ground Structure”, Proceedings of ICCICT 2021, 25th - 27th June 2021, SPIT, Mumbai, India (DOI: 10.1109/ICCICT50803.2021.9510042).</p> <p>[79] Venkata A. P. Chavali, Amit A. Deshmukh and Aarti G. Ambekar, “Analysis of Staggered Microstrip Antenna for Wideband Response”, Proceedings of ICCICT, 25th - 27th June 2021, SPIT, Mumbai, India (DOI: 10.1109/ICCICT50803.2021.9510165).</p> <p>[80] Ameya Kadam and Amit A. Deshmukh, “Modal Analysis of Triple Band Notch Ultra-Wideband Antenna with three C-shaped slots”, Proceedings of ICCICT, 25th - 27th June 2021, SPIT, Mumbai, India (DOI: 10.1109/ICCICT50803.2021.9510172).</p> |
| Area of Specialization | Antennas and Microwave |
| PhD Guide ? Give field & University | : Field: University: Antennas Mumbai University |
| PhDs / Projects Guided | : PhDs : Projects at Masters level: 03 (completed), 04 (Thesis submitted) 24 |

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| Books Published / IPRs / Patents | : | Books (Editors for conference Proceedings on Springer) | ICWiCOM 2017 (https://www.springer.com/gp/book/9789811083389) ICWiCOM 2019 (https://www.springer.com/gp/book/9789811510014) ICWiCOM 2021 (https://www.springer.com/gp/book/9789811666001) |
| Professional Memberships | : | Life Member of Indian Society of Technical Education (ISTE) | LM 53633 |
| Grants fetched | : | Minor Research Grant (University of Mumbai) | Academic Year 2016 - 17 |

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| <p>Interaction with Professional Institutions</p> | <p>:</p> | <p>Guest Lectures:</p> | <ol style="list-style-type: none"> 1. “Fundamentals of Microstrip Antennas”, STTP on Emerging trends in Electronics, Nov. 07, DRDO, Pashan, Pune, India 2. “Microstrip Antennas”, STTP on Antennas and Wave propagation, Feb. 08, FRCRCE, Bandra (W), Mumbai, India 3. “Smith Charts and S-parameters”, STTP on Enhancing Engineering Education with High end Laboratory Equipments, June 08, DJSCOE, Vile-parle (W), Mumbai, India 4. “Broadband and Dual band Microstrip Antennas”, STTP on Emerging trends in Electronics, Nov. 08, DRDO, Pashan, Pune, India 5. “Patch Antennas” STTP on Wireless and Mobile Computing, Dec. 08, DBIT, Kurla, Mumbai, India 6. “Antennas” STTP on RF and microwave, Nov. 09, SCOE, Kharghar, New-Mumbai, India 7. “Antennas”, STTP on Emerging trends in Electronics, Nov. 09, DRDO, Pashan, Pune, India 8. “Antennas in Wi-Fi Applications”, STTP on Emerging trends in Telecommunications, Dec. 09, VESP, Chembur, Mumbai, India 9. “Introduction to Microstrip Antennas”, STTP on Microwave & Antennas, Jan. 11, DJSCOE, Vile – Parle (W), Mumbai, India 10. “Broadband, dual band Microstrip Antennas”, STTP on Microwave & Antennas, Jan. 11, DJSCOE, Vile – Parle (W), Mumbai, India 11. “Antenna Engineering”, STTP on Fuse Technology, 15th Dec. 11, ARDE, DRDO, Pashan, Pune, India 12. “Antenna Engineering”, National Level Workshop on Wave theory and Antenna, 23rd – 25th February 2012, PES’s Modern college of Engineering, Pune, India 13. Invited talk on “Broadband methods in Patch Antennas” at National Conference on wired and wireless Technologies 2013 at SIES Graduate School of Technology, Nerul, Navi – Mumbai, 15th March 2013. 14. “Advances and Applications in Microstrip Antennas”, STTP on Advances in Antenna & RFIC / MMIC design, 24th – 28th June, 2013, K. J. Somaiya College of Engineering, Mumbai 15. “Compact and Broadband Microstrip Antenna” at STTP on RF Microwave and Antenna at VJTI, Mumbai, 8th – 13th March 2016 |
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| | <p style="text-align: center;">Other Achievements and Responsibilities:</p> | <ol style="list-style-type: none"> 16. "Antenna Designs" at STTP on RF and Wireless communication at Atharva College of Engineering, Mumbai, 14th – 24th June 2016 17. "On the design aspects of Compact and Broadband Microstrip Antenna", at short term course on advances in modern Antennas at KKWCOEER, Nashik, 10th December 2016 18. "Antenna Engineering", Guest lecture at KKWCOEER, Nashik, 28th January 2016 19. "On the Design of Broadband, Multi-band and Compact Microstrip Antennas", Invited Lecture at one day National Seminar on Advances in Communication at SCOE, Navi Mumbai, 22nd March 2017 20. "Antenna Engineering and Applications", Invited Lecture at SBMP, Mumbai, 27th March 2018 21. "Technical Paper writing – Author & Reviewer perspective", Invited Lecture at SBMP, Mumbai, April 2018 22. "Analysis and Design of Broadband, Multi-band and Compact Microstrip Antennas", Invited Lecture at STTP on RF Antenna Design and Analysis, KJSCE, Vidyavihar, Mumbai, 19th June 2018 23. "Design of Microstrip Antennas – <i>Resonant mode perspective</i>", Invited Lecture at STTP on Commercial trends in RF Antenna Design, SFIT, Borivali, Mumbai, 27th June 2018 24. "Analysis and Design of Antenna – Design of Microstrip Antennas", Invited Lecture at STTP on Antenna Design and Analysis using Ansys HFSS simulation software, AIKTC, Panvel, 02nd July 2018 <ol style="list-style-type: none"> 1. Associate editor, Technical Journal, 'Techno Focus', DJSCOE 2. Technical Judge, 'Project Competition', SCOE, Kharghar, Navi – Mumbai, November - 2010 3. Organizing committee of ICTSM – 2011, Mumbai 4. Convener, 'STTP on Microwave and Antennas', EXTC Department, DJSCOE, January 2011, 5. Convener, 'Orientation program on Advanced Microwave Engineering' in coordination with University of Mumbai, EXTC Department, DJSCOE, January 2011, 6. Secretary, 'National Conference on Communication Technologies – 2011', DJSCOE, October – 2011, Mumbai |
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| | | <ol style="list-style-type: none"> 7. Technical Judge, 'Patch Antenna design contest', DBIT, Kurla (W), Mumbai, April - 2011 8. Reviewer of conferences like NCC-2008, ICTSM-2011, ICWET-2011, ICATE-2013, ICAC-2013, CSITA – 2014, ICCICT – 2015, ICACTA – 2015, ICACC – 2016 and International journals (PIERS, IEEE-Antennas and Wireless Propagation Letters, IEEE – Antennas and propagation Magazine, IET – Microwave Antennas and Propagation, International Journal of Electronics, Journal JZUS – C, China, Scientific World Journal – Hindawi publications, Journal of Microwaves, Optoelectronics and Electromagnetic Applications, IETE Journal of Research 9. Editor in Chief, Proceedings of National Conference on Communication Technology (NCCT – 2011), ISBN - 978-93-81361-37-5, Excel Publishers, New – Delhi, India 10. Received Best Paper award (1st Prize) at ICMARS – 2011, held at Jodhpur during 7th to 10th December, 2011, for paper entitled 'Broadband Proximity Fed Rectangular Microstrip Antenna Array'. 11. Convener, DJ Spark 2012, State level project competition organized by EXTC, Department of D. J. Sanghvi college of Engineering, Mumbai 12. Editor in Chief, Proceedings of DJ – SPARK 2012, State level project competition, ISBN – 93 – 82062 – 20 – 3, Excel Publishers, New – Delhi, India 13. Received the Best paper award nomination (amongst 7 papers in 132 papers) at International Conference on Advances in Computing and Communications (ICACC-2012) for paper entitled 'Broadband Proximity fed Equilateral Triangular Microstrip Antenna' , 9th – 11th August 2012, Kochi, India 14. Convener, 'STTP on Image Processing', EXTC Department, DJSCOE, January 2013, 15. Convener, DJ Spark 2013, State level project competition organized by EXTC Department of D. J. Sanghvi college of Engineering, 12th April 2013, Mumbai 16. Editor in Chief, Proceedings of DJ – SPARK 2013, State level project competition, ISBN – 9 – 789382 – 880233, Excel Publishers, New – Delhi, India |
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| | | <ol style="list-style-type: none"> 17. Program Chair, ‘International Conference on Communication Technology – 2013’ (ICCT-2013), DJSCE, October – 2013, Mumbai 18. Chief Conductor for Mumbai University Exams, DJSCOE, Mumbai 19. Convener, DJ Spark 2014, State level project competition organized by EXTC Department of D. J. Sanghvi college of Engineering, 11th April 2014, Mumbai 20. Editor in Chief, Proceedings of D J – SPARK 2014, 2015, 2016 & 2017, State level project competition, Excel Publishers, New – Delhi, India 21. Convener, DJ Spark 2015, State level project competition organized by EXTC Department of D. J. Sanghvi college of Engineering, 7th April 2015, Mumbai 22. Conference Chair, ‘International Conference on Communication Technology – 2015’ (ICCT-2015), DJSCE, 25th and 26th September 2015, Mumbai 23. Editor in Chief, Abstract Proceedings of ‘International Conference on Communication Technology – 2015’ (ICCT-2015), DJSCE, 25th and 26th September 2015, Mumbai 24. Conference Chair, ICWiCOM 2017, ICWiCOM 2019, ICWiCOM 2021, DJSCE, Mumbai 25. Approved PG and PhD Teacher of University of Mumbai 26. Received Best paper awards at ICEI – 2017, for the papers entitled ‘Broadband Gap-coupled Isosceles Triangular Microstrip Antennas’ and ‘Analysis of Single Shorted Square Microstrip Antenna’, 3rd – 5th February 2017, Pune, India 27. Academic auditor at KJSCEIT for EXTC and Electronics Department, 14th July 2018 28. PhD examiner for APS at VJTI Mumbai, SPIT Mumbai, MPSTME, Mumbai 29. MTech Thesis examiner at DIAT Pune 30. Member of BOS for EXTC at RCPIT, Shirpur 31. University nominated member on BOS of EXTC, KJSIET, Mumbai |
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| Subjects Taught | <p><u>UG Level:</u> RF Circuit Design Antennas & Wave Propagation Electromagnetic Wave Theory</p> <p><u>PG Level:</u> Advance Antenna Design Solid State Microwave Amplifier Design Microstrip Antenna Design</p> | |
| Projects Guided | <p><u>UG Level: more than 30</u></p> <p>Some of PG Project Guided:</p> <ol style="list-style-type: none"> 1. Dual band Circular Microstrip Antennas 2. Hexagonal Microstrip Antennas 3. Proximity fed broadband RMSAs 4. Multi-band Hexagonal Microstrip Antennas 5. Broadband C-shaped Gap-coupled Antennas 6. Dual band shorted Rectangular Microstrip Antennas 7. Dual band stub loaded Equilateral Triangular Microstrip Antennas <p><u>PG Level: more than 20</u></p> <p>Some of PG Project Guided:</p> <ol style="list-style-type: none"> 1. Broadband Gap-coupled Microstrip Antennas 2. Broadband Circular Microstrip Antennas 3. Dual and Triple band stub loaded and slot cut Microstrip Antennas 4. Broadband and Dual band variations of Equilateral Triangular Microstrip Antennas 5. Broadband Variations of Sectoral Microstrip Antennas | |
| Recommended Students for Higher Education | <p><u>Name of the Student</u> More than 60 students for PG level</p> <p>Four students for PhD level</p> | <p><u>University/Industry</u> Various Universities across USA, Canada, Germany and Singapore</p> <p>Colorado School of Mines, University of Mississippi, University of Missouri, University of Ohio</p> |
| Institute/Department Responsibility handled: | <ul style="list-style-type: none"> ➤ Department Head – various responsibilities for academic and administrative coordination at the Department and Institution level. ➤ Chief Conductor of University exam at DJSCE. | |
| Pedagogy Development | E-Learning video in the subject of Antenna design | |