

Name of Teaching Staff : Dr. Amit A. Deshmukh
Designation : Professor & HOD
Department : Electronics & Telecommunication Engineering
Date of Joining the Institution : 17.7.2008



Qualifications with Class / Grade : 1. Ph.D., I.I.T. Bombay, December, 2004.
2. M. Tech.(Communication), I.I.T. Bombay, CPI:8.96, August, 2000.
3. B.E.(Electronics), University of Pune, 1st Class with Distinction, 71%, May 1997.

Total Experience in Years : **Teaching: 14 years +**
1. Professor in D.J. Sanghvi College of Engg. from July, 2010 till date.
2. Assistant Professor in D.J. Sanghvi College of Engg. from 17.7.2008 to July 2010.
3. Assistant Professor in MPSTME from October, 2006 to 16.7.2008.
4. Assistant Professor in SPCE from Jan, 2005 to Apr, 2006.

Industry: 5 months

Member of Technical Staff – R&D, Air Tight Networks Pvt. Ltd., from May, 2006 to September, 2006.

Research: 6 years

1. Research Assistant in EE Dept., I.I.T. Bombay from August, 1997 to December, 1999.
2. Teaching Assistant in EE Dept. I.I.T. Bombay from January 2000 to December, 2004.

Papers Published : **National/International: 100+ (some of the papers published)**

1. Amit A. Deshmukh and K. P. Ray, “Multi-band Equilateral Triangular Microstrip Antennas”, *Proceedings of Recent Advances in Microwave Theory and Applications*, Nov. 21 – 24, 2008, Jaipur, India.
2. Amit A. Deshmukh and K. P. Ray, “Multi-Band Slots and Stub Loaded Rectangular Microstrip Antennas”, *Proceedings of ISM – 2008*, Dec. 3 – 6, Bangalore, India
3. Amit A. Deshmukh and K. P. Ray, “Dual polarized stub loaded Compact Microstrip Antennas”, *Proceedings of APSYM*, Kochi, India, pp. 19 – 22, Dec. 29 – 31, 2008.
4. Amit A. Deshmukh, P. N. Chine and K. P. Ray, “Broadband L-probe fed E-shaped Microstrip Antennas”, *Proceedings of APSYM*, Kochi, India, pp. 27 – 31, Dec. 29– 31, 2008.
5. Amit A. Deshmukh and K. P. Ray, “Broadband and dual band modified Rectangular Microstrip Antennas”, *Techno-Patch, Journal of Science, Engineering and Technology Management (ISSN 0975 525 X)*, MPSTME, NMIMS, Vol. 1, No. 1, Jan. 2009, pg. 34 – 43.
6. Amit A. Deshmukh and K. P. Ray, “Broadband slotted Rectangular Microstrip Antennas”, *Techno-Patch, Journal of Science, Engineering and Technology Management (ISSN 0975 525 X)*, MPSTME, NMIMS, Vol. 1, No. 2, May 2009, pg. 18 – 23.
7. P. N. Chine and Amit A. Deshmukh, “On Using Circular Disk Monopole Antenna For Radiation Pattern Measurements.”, *Proceedings of IETE-RFCO-09*, Oct. 7 – 8, Bangalore, India

Papers Published

8. Amit A. Deshmukh and K. P. Ray, "Broadband slotted Rectangular Microstrip Antennas", *Proceedings of IRSI-2009*, Dec. 8 – 11, Bangalore, India
9. Amit A. Deshmukh and K. P. Ray, "Broadband 90° Sectoral Microstrip Antennas", *Proceedings of ISMOT-2009*, Dec. 15 – 19, Delhi, India
10. Amit A. Deshmukh and K. P. Ray, "Formulation of Resonance frequency for dual band slotted Rectangular Microstrip Antenna", *Proceedings of ISMOT-2009*, Dec. 15 – 19, Delhi, India
11. Amit A. Deshmukh and K. P. Ray, "Broadband reactively coupled Rectangular Microstrip Antennas", *Proceedings of ISMOT-2009*, Dec. 15 – 19, Delhi, India
12. Amit A. Deshmukh and K. P. Ray, "Broadband Reactively Coupled Ring Microstrip Antenna", *Proceedings of AEMC-2009*, Dec. 14 – 16, Kolkata, India
13. Amit A. Deshmukh and K. P. Ray, "Multi-band stub loaded Square ring Microstrip Antennas", *Proceedings of AEMC-2009*, Dec. 14 – 16, Kolkata, India
14. Amit A. Deshmukh and K. P. Ray, "Broadband Reactively coupled E-shaped Microstrip Antennas", *Proceedings of NCC - 2010*, Jan. 29 – 31, IIT Madras, India
15. Amit A. Deshmukh, K. P. Ray, V. Sawant, Z. Hathiari and M. Mohan, "Hexagonal Microstrip Antennas", *Proceedings of National / Asia Pacific Regional conference in ICTM - 2010*, Mar. 05 – 06, Mumbai, India
16. Amit A. Deshmukh, K. P. Ray, T. Sonawdekar, S. Varawalla, and R. Kataria, "Dual band Circular Microstrip Antennas", *Proceedings of National / Asia Pacific Regional conference in ICTM - 2010*, Mar. 05 – 06, Mumbai, India
17. Amit A. Deshmukh, K. P. Ray, T. Sonawdekar, S. Varawalla, and R. Kataria, "Dual band Circular Microstrip Antennas", *TechnoFocus*, Vol. 1, No. 1, October, 2010, pp. 41 – 46.
18. Amit A. Deshmukh, K. P. Ray, T. Sonawdekar, S. Varawalla, and R. Kataria, "Formulation of resonance frequency for dual band Microstrip Antennas", *Proceedings of International Symposium on Microwave – 2010*, Dec 2010, Bangalore, India
19. Amit A. Deshmukh and K. P. Ray, "Proximity fed Rectangular Microstrip Antennas", *Proceedings of International Symposium on Microwave – 2010*, Dec 2010, Bangalore, India
20. Amit A. Deshmukh, K. P. Ray, Z. Haithari V. Sawant, M. Mohan and P. N. Chine, "Dual polarized Hexagonal Microstrip Antennas", *Proceedings of International Symposium on Microwave – 2010*, Dec 2010, Bangalore, India
21. Amit A. Deshmukh, K. P. Ray, S. Kadam, A. Kadam and M. Parulekar, "Modal Analysis of Broad and Dual Band Slot cut Rectangular Microstrip Antennas", *Proceedings of APSYM – 2010*, Dec 2010, CUSAT, Kochi, India
22. Amit A. Deshmukh, K. P. Ray, S. Kadam, A. Kadam and M. Parulekar, "Broadband proximity fed Rectangular Microstrip Antenna Array", *Proceedings of APSYM – 2010*, Dec 2010, CUSAT, Kochi, India
23. Amit A. Deshmukh, K. P. Ray, S. Kadam, A. Kadam and M. Parulekar, "Broadband Circular Microstrip Antennas", *Proceedings of APSYM – 2010*, Dec 2010, CUSAT, Kochi, India

Papers Published

24. Amit A. Deshmukh, K. P. Ray, S. Kadam, A. Kadam and M. Parulekar, "Broadband Proximity Fed Modified E-Shaped Microstrip Antenna", *Proceedings of NCC – 2011*, 28 – 30 Jan 2011, IISc Bangalore, Bangalore, India
25. Amit A. Deshmukh, K. P. Ray, M. Parulekar, M. Mendonca, R. Warhadkar and S. Mehta, "Proximity Fed Rectangular Microstrip Antennas", *Proceedings of ICTSM – 2011*, 25 – 27 February 2011, Mumbai, India
26. Amit A. Deshmukh, K. P. Ray, M. Parulekar, M. Mendonca, R. Warhadkar and S. Mehta, "Proximity Fed Rectangular Microstrip Antennas", *Proceedings of ISMOT – 2011* (ISBN - 978-80-01-04887-0), pp. 179 – 182, 20 – 23 June 2011, Prague
27. Amit A. Deshmukh, K. P. Ray, M. Parulekar, M. Mendonca, R. Warhadkar and S. Mehta, "Broadband L-shaped slot cut Rectangular Microstrip Antenna", *Proceedings of ISMOT – 2011* (ISBN - 978-80-01-04887-0), pp. 183 – 186, 20 – 23 June 2011, Prague
28. Amit A. Deshmukh, K. P. Ray, P. Thakkar, S. Lakhani, M. Joshi and S. Mehta, "Formulation of Resonance Frequency for Dual band H-shaped Microstrip Antennas", *Proceedings of ISMOT – 2011* (ISBN - 978-80-01-04887-0), pp. 535 – 538, 20 – 23 June 2011, Prague
29. Amit A. Deshmukh, K. P. Ray, M. Parulekar, M. Mendonca, R. Warhadkar and S. Mehta, "Analysis of Proximity fed Broadband slot cut Rectangular Microstrip Antennas", *Proceedings of ISMOT – 2011* (ISBN - 978-80-01-04887-0), pp. 539 – 542, 20 – 23 June 2011, Prague
30. Amit A. Deshmukh, Priti Patki, and Mayur Parulekar, "Dual-Band Semi-Circular Microstrip Antennas", *TechnoPath – Journal of Science Engineering and Technology*, (ISSN 0975 525 X) MPSTME, NMIMS (DU), pp. 13 – 18, July 2011, Mumbai, India
31. Amit A. Deshmukh, K. P. Ray, D. R. Shah, S. A. Kapadia and V. A. Desai, "Broadband modified Half E-shaped Microstrip Antennas", *Proceedings of International Radar Symposium India - 2011*, 1 – 4th Dec 2011, Bangalore, India
32. Amit A. Deshmukh, Shweta Khanna, Apeksha Shah and Sonika Khurana, "Analysis of dual and triple band slot cut Rectangular Microstrip Antennas", *Proceedings of NCCT – 2011* (ISBN: 978-93-81361-37-5), pp. 87 – 91, 14 – 15th October 2011, Mumbai, India
33. Amit A. Deshmukh, Priyanka Baxi, Bhagyesh Vora, and Charmi Kamdar, "Analysis of Various stub loaded Rectangular Microstrip Antennas", *Proceedings of NCCT – 2011* (ISBN: 978-93-81361-37-5), pp. 92 – 95, 14 – 15th October 2011, Mumbai, India
34. Amit A. Deshmukh, D. R. Shah, S. A. Kapadia, and V. A. Desai, "Broadband Proximity fed Microstrip Antenna", *Proceedings of NCCT – 2011* (ISBN: 978-93-81361-37-5), pp. 116 – 119, 14 – 15th October 2011, Mumbai, India
35. Amit A. Deshmukh, Sumit Ranka, Foram Shah, and Mitali Parekh, "Shorted plate Broadband Rectangular Microstrip Antennas", *Proceedings of NCCT – 2011* (ISBN: 978-93-81361-37-5), pp. 120 – 123, 14 – 15th October 2011, Mumbai, India
36. Amit A. Deshmukh, M. V. Parulekar, Rahil Shah, Ankit Gadodia, Sneha Suresh, Harsh Chaudhary, "Stub Loaded Dual-Band Semi-Circular Microstrip Antennas", *Proceedings of NCCT – 2011* (ISBN: 978-93-81361-37-5), pp. 124 – 129, 14 – 15th October 2011, Mumbai, India

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37. Amit A. Deshmukh, K. P. Ray and Ameya Kadam, "Proximity fed Circular Microstrip Antennas", Proceedings of AEMC – 2011, 1 – 4th Dec 2011, Kolkata, India
38. Amit A. Deshmukh and K. P. Ray, "Broadband Proximity fed Half E-shaped Microstrip Antennas", Proceedings of AEMC – 2011, 1 – 4th Dec 2011, Kolkata, India
39. Amit A. Deshmukh and K. P. Ray, "Analysis of Broadband U-slot cut RMSA", Proceedings of AEMC – 2011, 1 – 4th Dec 2011, Kolkata, India
40. Amit A. Deshmukh, K. P. Ray, M. V. Parulekar, Rahil Shah, Ankit Gadodia, Sneha Suresh, Harsh Chaudhary and Ameya Kadam, "Analysis of stub loaded circular Microstrip Antennas", Proceedings of ICMARS – 2011, 7 – 9th December 2011, Jodhpur, Rajasthan, India
41. Amit A. Deshmukh, K. P. Ray, M. V. Parulekar, Sejal Kadam and Ameya Kadam, "Broadband Proximity fed Hexagonally arranged Rectangular Microstrip Antenna Array", Proceedings of ICMARS – 2011, 7 – 9th December 2011, Jodhpur, Rajasthan, India
42. Amit A. Deshmukh, K. P. Ray, Sumit Ranka, Forum Shah, Mitali Parekh and A. Kadam, "Shorted plate slot cut Proximity fed Broadband Microstrip Antenna", Proceedings of INDICON – 2011, 16th – 18th December 2011, Hyderabad, India (IEEE digital library)
43. Amit A. Deshmukh, K. P. Ray, Sumit Ranka, Forum Shah, and Mitali Parekh, "Analysis of Shorted Plate Folded Feed L-slot Cut Microstrip Antenna", Proceedings of NCC – 2012, 3rd – 5th February 2012, IIT Kharagpur, India
44. Amit A. Deshmukh, K. P. Ray, P. Baxi, C. Kamdar, and B. Vora, "Analysis of Stub Loaded Rectangular Microstrip Antenna", Proceedings of NCC – 2012, 3rd – 5th February 2012, IIT Kharagpur, India
45. Amit A. Deshmukh, K. P. Ray, Sumit Ranka, Forum Shah, and Mitali Parekh, "Broadband Shorted plate Proximity fed Rectangular Microstrip Antenna", Proceedings of ICWET – 2012, 24th – 26th February 2012, Mumbai, India, (IJCA Digital Library) (<http://www.ijcaonline.org/proceedings/icwet2012>)
46. Amit A. Deshmukh, K. P. Ray, V. Desai, D. Shah, and S. Kapadia, "Broadband slot cut modified Rectangular Microstrip Antenna", Proceedings of ICWET – 2012, 24th – 26th February 2012, Mumbai, India, (IJCA Digital Library) (<http://www.ijcaonline.org/proceedings/icwet2012>)
47. Amit A. Deshmukh, Mansi Mohan, and Amrita Aurora, "Implementation of Meta-materials in Microstrip Antennas", *TechnoPath – Journal of Science Engineering and Technology*, (ISSN 0975 525 X) MPSTME, NMIMS (DU), Vol. 3, No. 1, February 2012, Mumbai, India, pp. 56 – 60
48. Amit A. Deshmukh, K. P. Ray, V. Desai, D. Shah, and S. Kapadia, "Analysis of Suspended Rectangular Microstrip Antenna", Proceedings of NCET – 2012, 13th & 14th April 2012, Govt. College of Engineering, Goa, India.
49. K. P. Ray, S. S. Thakur and Amit A. Deshmukh, "Compact Printed Semicircular Monopole UWB Antenna", Proceedings of NCET – 2012, 13th & 14th April 2012, Govt. College of Engineering, Goa, India.

Papers Published

50. Amit A. Deshmukh, Ankita R. Jain and K. P. Ray, "Analysis of slot cut Circular Microstrip Antenna", Proceedings of National conference on Recent Trends in Microwave Techniques and Applications (Microwave – 2012), 30th July – 1st August 2012, Jaipur, India.
51. Amit A. Deshmukh, Priyanka Baxi, Charmi Kamdar, Bagyesh Vora, T. Tirodkar and K. P. Ray, "Analysis of Stub loaded Rectangular Microstrip Antenna", Proceedings of National conference on Recent Trends in Microwave Techniques and Applications (Microwave – 2012), 30th July – 1st August 2012, Jaipur, India.
52. Amit A. Deshmukh, Mansi Mohan, Prateeksha Runwal and Raj Shah and K.P. Ray, "Broadband proximity fed slot cut Ring Microstrip Antenna", Proceedings of National conference on Recent Trends in Microwave Techniques and Applications (Microwave – 2012), 30th July – 1st August 2012, Jaipur, India.
53. Amit A. Deshmukh, Mansi Mohan, Amrita Aurora and K. P. Ray, "Broadband Proximity fed Equilateral Traingular Microstrip Antenna", Proceedings of International Conference on Advances in Computing and Communications (ICACC-2012), Rajagiri School of Engineering & Technology, Cochin, Kerala, India, 9-11 August 2012
54. Amit A. Deshmukh, K. P. Ray, Rahil Shah, Ankit Gadodia, Sneha Suresh and Harsh Chaudhary, "Analysis of stub loaded circular Microstrip Antennas", Proceedings of International Conference on Advances in Computing and Communications (ICACC-2012), Rajagiri School of Engineering & Technology, Cochin, Kerala, India, 9-11 August 2012
55. Amit A. Deshmukh, K. P. Ray, Pranali Shetty, Nikita Govind and Monika Koushik, "Analysis of stub loaded Equilateral Triangular Microstrip Antennas", Accepted for Publication in International Conference on Communication, Information and Computing Technology (ICCICT-2012), Sardar Patel Institute of Technology, Mumbai, India, 18th – 22nd October 2012
56. Amit A. Deshmukh, K. P. Ray, Vivek Desai, Darpan Shah and Sagar Kapadia, "Broadband proximity fed modified Rectangular Microstrip Antenna", Accepted for Publication in International Conference on Communication, Information and Computing Technology (ICCICT-2012), Sardar Patel Institute of Technology, Mumbai, India, 18th – 22nd October 2012
57. Amit A. Deshmukh and K. P. Ray, "Analysis of Double U-slot cut Rectangular Microstrip Antenna", Accepted for publication in International Symposium on Microwaves – 2012 (ISM12), 11th – 14th December 2012, Bangalore, India.
58. Amit A. Deshmukh and K. P. Ray, "Broadband Proximity fed gap-coupled slot cut C-shaped Microstrip Antenna", Accepted for publication in International Symposium on Microwaves – 2012 (ISM12), 11th – 14th December 2012, Bangalore, India.
59. K. P. Ray, S. S. Thakur and Amit A. Deshmukh, "Fractal Elliptical Printed Monopole UWB Antenna", Accepted for publication in International Symposium on Microwaves – 2012 (ISM12), 11th – 14th December 2012, Bangalore, India.

1. Amit A. Deshmukh and K. P. Ray, "Stub Loaded Multi-band Slotted Rectangular Microstrip Antennas", IET Proceedings on Microwave, Antennas & Propagation, Vol. 3, No. 3, April 2009, pp. 529 – 535.
2. Amit A. Deshmukh, K. P. Ray, A. Mainkar, J. Gohil and P. Mahale, "Dual polarized stub loaded Compact Microstrip Antennas", International Journal of Microwave and Optical Technology, Vol. 4, No. 3, May 2009, pp. 153 – 159.
3. Amit A. Deshmukh and K. P. Ray, "Compact Broadband slotted Rectangular Microstrip Antenna", IEEE Antennas and Wireless Propagation letters, Vol. 8, 2009, pp. 1410 - 1413.
4. Amit A. Deshmukh and K. P. Ray, "Multi-band Configurations of Stub loaded Slotted Rectangular Microstrip Antennas", IEEE Magazine on Antennas and Propagation, vol. 52, no. 1, February 2010, pp. 89 – 103.
5. Amit A. Deshmukh, K. P. Ray, T. Sonwadkar, S. Varawalla and R. Kataria "Formulation of Resonance Frequency for Multi-Band Circular Microstrip Antennas", International Journal of Microwave and Optical Technology, Vol. 5, No. 5, September 2010, pp. 248 – 256.
6. Amit A. Deshmukh and K. P. Ray, "Formulation of Resonant frequency for dual band equilateral triangular microstrip antenna", Journal of Wireless Engineering and Technology, Volume 1, No. 2, Oct 2010, pp. 55 – 63.
7. Amit A. Deshmukh and K. P. Ray, "Proximity fed Broadband Rectangular microstrip antenna", Microwave and Optical Technology Letters, Vol. 53, No. 2, Feb. 2011, pp. 294 – 300.
8. Amit A. Deshmukh, K. P. Ray, Priyanka Thakkar, Mayank Joshi, and Sneha Lakhani, "Dual Band H-shape Microstrip antennas", Journal of Communications in Computer and Information Science, Springer Publication, Vol. 145. pp. 227 – 232, 2011, (*Proceedings of ICTSM – 2011*, 25 – 27 February 2011, Mumbai, India)
9. Amit A. Deshmukh, K. P. Ray, Priyanka Thakkar, Mayank Joshi, and Sneha Lakhani, "Formulation of resonance frequency for dual band slotted H-shaped Microstrip Antenna", International Journal of Computer Applications (IJCA), ISBN: 978-93-80746-60-3, Vol. No. 1. Article 5, pp. 18 – 26, 2011, (Extended papers of ICTSM – 2011, 25 – 27 February 2011, Mumbai, India)
10. Amit A. Deshmukh and K. P. Ray, "Broadband shorted Sectoral Microstrip Antenna", Progress in Electromagnetic Research C 20 (PIERS C), pp. 55 -65, 2011.
11. Amit A. Deshmukh, "Modal Analysis of Ψ -shaped Microstrip Antenna", International Journal of Microwave and Optical Technology, Vol. 6, No. 3, May 2011, pp. 114 - 119.
12. Amit A. Deshmukh and K. P. Ray, "Multi-band Rectangular microstrip antennas", IETE Journal of Research, Vol. 57, No. 5, September – October 2011, pp. 437 – 442.
13. Amit A. Deshmukh and K. P. Ray, "Broadband Proximity fed modified Rectangular microstrip antennas", IEEE Magazine on Antennas and Propagation, Vol. 53, No. 5, October 2011, pp. 41 – 56.
14. Amit A. Deshmukh, K. P. Ray and Ameya Kadam, "Proximity feed Rectangular Microstrip Antennas", International Journal of Microwave and Optical Technology, Vol. 7, No. 3, May 2012, pp. 192 – 200.

15. Amit A. Deshmukh and K. P. Ray, "Formulation of Resonance Frequency for Dual Band Slotted Rectangular Microstrip Antennas", IEEE Magazine on Antennas and Propagation, Vol. 54, No. 4, August 2012, pp. 78 – 97.
16. Amit A. Deshmukh and K. P. Ray, "Analysis of Broadband Ψ -shaped Microstrip Antennas", Accepted for publication in IEEE Magazine on Antennas and Propagation, June 2013.
17. Amit A. Deshmukh and K. P. Ray, "Analysis of L-Shaped slot cut Broadband Rectangular Microstrip Antenna", Accepted for publication in International Journal of Electronics.
18. Amit A. Deshmukh, K. P. Ray and Ameya Kadam, "Analysis of slot cut Broadband and Dual band Rectangular Microstrip Antennas", Accepted for publication in IETE Journal of Research.

Papers Presented in Conferences : Approx. 150+ papers are presented in various National & International Conferences, out of which 70+ papers were published in various Journals, magazines, proceedings of the conferences.

PhD Guide ? Give field & University : **Field:** - **Antennas**
University: - **Mumbai University**

PhDs / Projects Guided : **PhDs :** - **Ongoing – 7**
Projects at Masters level: - **Completed – 18, Ongoing – 4**

Books Published / IPRs / Patents : --

Professional Memberships : ISTE

Consultancy Activities : --

Awards : --

Grants fetched : --

Interaction with Professional Institutions : - **Reviewer of Many international journals in field of Antennas**