

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, 1<sup>st</sup> Class with Distinction, 71%, May 1997.

Total Experience in Years : **Teaching: 10 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: 59**

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-RFCON-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<sup>0</sup> 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 – 4<sup>th</sup> 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 – 15<sup>th</sup> 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 – 15<sup>th</sup> 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 – 15<sup>th</sup> October 2011, Mumbai, India
35. Amit A. Deshmukh, Sumit Ranka, Forum Shah, and Mitali Parekh, "Shorted plate Broadband Rectangular Microstrip Antennas", *Proceedings of NCCT – 2011* (ISBN: 978-93-81361-37-5), pp. 120–123, 14 – 15<sup>th</sup> 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 – 15<sup>th</sup> October 2011, Mumbai, India

Papers Published

37. Amit A. Deshmukh, K. P. Ray and Ameya Kadam, "Proximity fed Circular Microstrip Antennas", Proceedings of AEMC – 2011, 1 – 4<sup>th</sup> 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 – 4<sup>th</sup> Dec 2011, Kolkata, India
39. Amit A. Deshmukh and K. P. Ray, "Analysis of Broadband U-slot cut RMSA", Proceedings of AEMC – 2011, 1 – 4<sup>th</sup> 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 – 9<sup>th</sup> 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 – 9<sup>th</sup> 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, 16<sup>th</sup> – 18<sup>th</sup> 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, 3<sup>rd</sup> – 5<sup>th</sup> 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, 3<sup>rd</sup> – 5<sup>th</sup> 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, 24<sup>th</sup> – 26<sup>th</sup> 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, 24<sup>th</sup> – 26<sup>th</sup> 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, 13<sup>th</sup> & 14<sup>th</sup> 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, 13<sup>th</sup> & 14<sup>th</sup> 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), 30<sup>th</sup> July – 1<sup>st</sup> 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), 30<sup>th</sup> July – 1<sup>st</sup> 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), 30<sup>th</sup> July – 1<sup>st</sup> 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, 18<sup>th</sup> – 22<sup>nd</sup> 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, 18<sup>th</sup> – 22<sup>nd</sup> 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), 11<sup>th</sup> – 14<sup>th</sup> 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), 11<sup>th</sup> – 14<sup>th</sup> 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), 11<sup>th</sup> – 14<sup>th</sup> 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", 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  $\Psi$ -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 -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. 100 papers are presented in various National & International Conferences, out of which 77 papers were published in various Journals, magazines, proceedings of the conferences.

PhD Guide ? Give field & University

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

PhDs / Projects Guided

**PhDs :** --  
**Projects at Masters level:** --

Books Published / IPRs / Patents

: --

Professional Memberships

:ISTE

Consultancy Activities

: --

Awards


: --

Grants fetched

: --

Interaction with Professional Institutions

: --

Name of Teaching Staff	:Prof. Tanaji D. Biradar	
Designation	:Assistant Professor	
Department	:Electronics & Telecommunication Engineering	
Date of Joining the Institution	:5.7.2004	
Qualifications with Class / Grade	:1. M.Tech.(Digital Communication) in 1999 from Barkatullah Vishwvidyalaya Bhopal (M.P.) with 1 <sup>st</sup> Class Distinction 79.55%. :2. B.E. (Electronics & Telecommunication Engineering) in 1990 from Marathwada University with 1 <sup>st</sup> Class distinction 68.06%. :3. Ph.D. (Pursuing), RGIT, University of Mumbai.	
Total Experience in Years	: <b>Teaching 21 years</b> :1. Assistant Professor, D.J. Sanghvi College of Engineering from 5.7.2004 till date. :2. Lecturer (Sr. Grade) Rajiv Gandhi Institute of Tech. from September, 1993 to April, 2004. :3. Lecturer, M.G.M. College of Engineering from January,1992 to September, 1993.	
	<b>Industry:</b>	--
	<b>Research:</b>	--
Papers Published	: <b>National: 2</b> :1. Published Paper on “Self or doing KISOK” DJSpark 2012. :2. Published Paper on “4G Evolution & Related Technologies, Technofocus 2010, DJSCOE.	
	<b>International:</b>	--
Papers Presented in Conferences	: <b>National:</b> -- : <b>International:</b> --	
PhD Guide ? Give field & University	: <b>Field:</b> -- : <b>University:</b> --	
PhDs / Projects Guided	: <b>PhDs :</b> -- : <b>Projects at Masters level:</b> --	
Books Published / IPRs / Patents	:	--
Professional Memberships	:ISTE : LM22167	
Consultancy Activities	:	--
Awards	:Best Teacher Award 2010.	
Grants fetched	:	--
Interaction with Professional Institutions	:	--



Name of Teaching Staff : Prof.(Mrs.) Mrinal H. Patwardhan  
Designation : Assistant Professor  
Department : Electronics & Telecommunication Engineering  
Date of Joining the Institution : 2.11.2004



Qualifications with Class / Grade : 1. M.E. (Electronics Engineering) in June 2003 with 1<sup>st</sup> class distinction 73.06% from University of Mumbai.  
2. B.E. (Electronics & Telecommunication Engineering) in May 1995 with 1<sup>st</sup> Class distinction 71.64% from University of Mumbai.  
3. Ph.D , (Pursuing), I.I.T. Bombay.

Total Experience in Years : **Teaching: 14 years**  
1. Assistant Professor in D..J. Sanghvi College of Engineering from 2.11.2004 till date.  
2. Lecturer, Institute of Technology for Women from 1.1.1999 to 1.11.2004.

**Industry: 3 years**

Executive Networks Division, Supreme Telecomm. Ltd. from 4.10.1995 to 14.12.1998.

**Research:** --

Papers Published : **National:** --  
**International:** --

Papers Presented in Conferences : **National:** 4

1. Presented paper on “Next Generation Networks” at the National Conference of Information and Communication Technology: Recent Trends and Future Challenges, NCICT 2006 organized by SVKM, its DJSCOE, NMIMS Deemed University in association with University of Mumbai, IETE and ISTE during February 24-26, 2006.
2. Presented and published paper on “Design and Fabrication of Sinuous Antenna” at National Conference of Broad band Communication systems NCBS 2006 organized by Vishwakarma Institute of Information Technology, Pune-48 during September 2-3, 2006.
3. Presented paper on ‘Image Encryption using Chaos’ in the National Conference on Information & Communication Technology NCICT-2009 organized by NMIMS University, MPSTME, DJSCOE & SBMP, during 6<sup>th</sup> – 7<sup>th</sup> March, 2009.
4. “Image encryption using 3-D chaotic Maps”, Technofocus Vol.1, Issue 2, March 2011.

Papers Presented in Conferences	: <b>International: 3</b>	
	1. Presented paper on “Encryptions of Multiple Images using Chaotic Maps” selected for publication in the proceedings of “International Conference on Signal and Image Processing 2009” organized by Vidya Vikas Institute of Engineering & Technology, Mysore, India from August, 12-15, 2009.	
	2. Teaching – Leaving with interactive visualization : How to Choose the appropriate level IEEE International Conference on Technology Enhanced Education, Amrita University, Jan 3-5, 2012.	
	3. Pedagogical Analysis of content authoring tools for engineering curriculum, IEEE International Conference on Technology for education T4E 2012, I.I.T. Hyderabad, July 18-20, 2012.	
PhD Guide ? Give field & University	: <b>Field:</b>	--
	<b>University:</b>	--
PhDs / Projects Guided	: <b>PhDs :</b>	--
	<b>Projects at Masters level:</b>	--
Books Published / IPRs / Patents	:	--
Professional Memberships	:ISTE, IETE	
Consultancy Activities	:	--
Awards	:Best teacher of the department award for the year 2007-08.	
Grants fetched	:	--
Interaction with Professional Institutions	:	--

Name of Teaching Staff : Prof.(Mrs.) Vishakha V. Kelkar  
Designation : Assistant Professor  
Department : Electronics & Telecommunication Engineering  
Date of Joining the Institution : 16.10.2006.



Qualifications with Class / Grade : 1. M.E. (Electronics Engg.) from University of Mumbai 1<sup>st</sup> Class with distinction, 73.88% September, 2003.  
2. B.E. (Electronics Engg.) from University of Mumbai, 1<sup>st</sup> Class with honours, 62.3%, May, 1992.  
3. Ph.D.(Pursuing), SNDT University.

Total Experience in Years : **Teaching: 17 years**  
1. Assistant Professor in D.J. Sanghvi College of Engineering from 16.10.2006 till date.  
2. Lecturer (Sr. Grade), Thadomal Shahani College of Engineering from January, 1999 to 15.10.2006.  
3. Lecturer in P.V. Polytechnic S.N.D.T. University from July, 1993 to December, 1996.

**Industry:** --

**Research:** --

Papers Published : **National: 3**  
1. Published and presented paper on “Adaptive Thresholding of Digital Images” in NCIP’04 at Thadomal Shahani Engg. College.  
2. Published paper on “Low bitrate Digital Water marking” at MERG 07 (National Conference on Information Security) at Vadgaon (bk), Pune.  
3. Published paper in Technofocus on “Image Encryption Using Chaos & Wavelets” in Jan.10.

**International:** --

Papers Presented in Conferences : **National: 1**  
Presented paper on ‘Image Encryption using Chaos’ in the National Conference on Information & Communication Technology NCICT-2009 organized by NMIMS University, MPSTME, DJSCOE & SBMP, during 6<sup>th</sup> – 7<sup>th</sup> March, 2009.

**International: 1**

Presented paper on “Encryptions of Multiple Images using Chaotic Maps” selected for publication in the proceedings of “International Conference on Signal and Image Processing 2009” organized by Vidya Vikas Institute of Engineering & Technology, Mysore, India from August, 12-15, 2009.

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	:	--
Professional Memberships	:	--
Consultancy Activities	:	--
Awards	:Best teacher of the department award.	
Grants fetched	:	--
Interaction with Professional Institutions	:	--

**Name Of Teaching Staff:** Sanjay B. Deshmukh

**Designation:** Assistant Professor

**Department:** Electronics & Telecommunication

**Date Of Joining The Institution:** 04/08/2003

**Qualifications With Class/ Grade:**

1. M.E. (Digital Electronics) from PRMITR in 2006 with 61.48%
2. B.E. (ECE) from College of Engg. Badnera ,AmravatiUniversity in June 1994 with 61.38%



**Total Experience In Years:** 18

**Papers Published:**2

- 1.'Automation of Water Treatment Plant using Raspberry PI' International Journal of Pure and Applied Research in Engineering and Technology (IJPRET) , Volume-2(9):25-32
- 2.'Raspberry PI for Automation of Water Treatment Plant' International Conference on Advances in Computing, Communications and Informatics (ICACCI-2014) Delhi, IEEE Publication, ISBN:978-1-4799-3081-4, Volume:3, Page-1999

**National:**

**International:**

**Papers Presented In Conferences:**

**National: 4**

- 1.'Application of Speech recognition in Embedded Voice'- National Conference on Emerging Trends in Electronics Engineering & Technology (NIRMAN-2013) Feb 22-23,2013 ACPCE, Navi Mumbai , India
- 2.'Design and Control of Mechanical Structure of Lego robot '- National Conference on Research in Electronics Advances & Collaborative Technologies (REACT-2013) Feb 14 ,2013 BDCE, Sevagram , India

3.'Comparision of open source RTOSs using various performance parameters '- National Conference on Research in Electronics Advances & Collaborative Technologies (REACT-2013) Feb 14 ,2013 BDCE, Sevagram , India

4.'USB to USB Data Transfer without PC '- National Conference on Research in Electronics Advances & Collaborative Technologies (REACT-2013) Feb 14 ,2013 BDCE, Sevagram , India

### **International : 7**

1.'Energy Efficient Routing Using Wireless Sensor Network'- 2<sup>nd</sup> International Conference On Electronics & Computing Technologies (ICONECT 15) March 12-13,2015 ,KCCOE, Thane , India

2.'Raspberry pi for automation of water treatment plant' ICCUBEA 2015 on 26<sup>th</sup> and 27<sup>th</sup> Feb 2015 organized by Pimpri Chinchwad college of engineering, Pune.

3.'Implementation of Traffic Engineering using MPLS Technology' - International Conference and Workshop On Electronics and Telecommunication Engg. (ICWET-2015) Feb 27,28 - 2015 TCET ,Mumbai,India.

4.'Implementation of Traffic Engineering using MPLS Technology' - International Conference On Advances in Computing and Information Technology (ICACFT-2014) December 18-19 , 2014 RGIT ,Mumbai,India.

5.'Embedded Vechicle Control System Based on Voice Processing Using dSPIC' - International Conference On Communication Technology (ICCT-2013) October 17, 18,19 -2013 DJSCE ,Mumbai,India.

6.'Implementation of USB to USB Bridge for Computer Independent Data transfer' - International Conference On Recent Trends in Computer,Communication,Control Engineering and Applications (ICRTCCCEA-2013) March 15,16,17 -2013 MITM ,Haryana,India.

7.'Performance parameters of RTOS- Comparison of open sourcs RTOS and benchmarking techniques' - International Conference On Advances in Technology and Engineering (ICATE-2013) Jan 23,24,25 - 2013,MPSTME,Mumbai,India

**Phd Guide? Give Field & University:**

**Phds / Projects Guided:**

**Books Published/IPRS/Patents:** 1> “ Network Synthesis and Filter Design” ,  
TechMax Publication Pune

2> “ Embedded Systems and Real Time  
Programming”, TechMax Publication ,  
Pune

**Professional Memberships:**

**Consultancy Activities:**

**Awards:**

**Grants Fetched:**

**Interaction With Professional Institutions:**

Name of Teaching Staff : Prof.(Mrs.) Poonam Kadam  
Designation : Assistant Professor  
Department : Electronics & Telecommunication Engineering  
Date of Joining the Institution : 2.7.2007



Qualifications with Class / Grade : 1. M.Tech (Microelectronics) from Banaras Hindu University with 1<sup>st</sup> Class Distinction in June 2003 CGPA 9.13.  
2. B.E. (Electronics Engineering) in May/June 2001 from Swami Ramanand Tirth Marathwada University with 76.30%, 1<sup>st</sup> Class Distinction.

Total Experience in Years : **Teaching: 10 years**  
1. Assistant Professor in EXTC Dept at D. J. Sanghvi College of Engineering from 2.7.2007 till date.  
2. Lecturer in I.T., D. J. Sanghvi College of Engineering from 3.2.2006 to 30.06.2006 and from 11.7.2006 to 01.7.2007.  
3. Lecturer at S.G.G.S Institute of Technology from 3.2.2003 to Jan 2006.

**Industry:** --

**Research:** --

Papers Published : **National:** --

**International: 1**

Published a paper titled "Efficient data path designing using Conservative logic" in world scientific & Engineering Academy and society Journal (International Journal).

Papers Presented in Conferences : **National: 3**

1. Poonam Varma, V. Shahane, "Efficient VLSI computing paradigm using a Novel 5\*5 Universal Reversible gate", DJSCOE & NMIMS – National conference on information and communication Technology New Horizon in Technology and Applications, PP.4, March 01-03, 2007.
2. Poonam Kadam, Aksheit J, Bhavin M, Ronak H, "Multiplier decoynnering SCRL technique" – NCCT 2011.
3. FPGA implementation of AES algorithm using VHDL, Technofocus.

**International: 1**

Poonam Varma, V. Mohan, A. Joge, "Efficient data path designing using Reversible Conservative logic", 8<sup>th</sup> WSEAS International conference on circuits and system, 2004, Published in WSEAS Proceedings, issue 5, valance 3, PP. 1161-66, July 04.

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



PhDs / Projects Guided : **PhDs** : --

**Projects at Masters level:**

1. VLSI Design (MU) Techmax Publication.
2. Advanced VLSI Design (MU) Techmax Publication.
3. VLSI Design and Technology (GTU) Techmax Publication.
4. VLSI Design and Technology, Pune University, Techmax Publication.

Books Published / IPRs / Patents : --

Professional Memberships : --

Consultancy Activities : --

Awards : --

Grants fetched : --

Interaction with Professional Institutions : --

Name of Teaching Staff : Prof.(Mrs.) Anuja A. Odhekar  
Designation : Assistant Professor  
Department : Electronics & Telecommunication Engineering  
Date of Joining the Institution : 11.7.2008



Qualifications with Class / Grade : 1. M.E. (Electronics & Telecom. Engg.) from Jadavpur University, Kolkata, 1<sup>st</sup> Class, 81.60%, June, 2006.  
2. B.E. (Electronics) from University of Pune, 1<sup>st</sup> Class, 60%, May, 1998.  
Total Experience in Years : **Teaching: 11 years**

1. Assistant Professor, D.J.Sanghvi College of Engineering from 11.7.2008 till date.
2. Lecturer, K.K.Wagh College of Engineering, Nashik from 28.1.2000 to 03.10.2006.

**Industry: 11 months**

PCB Designer, Fine Circuits from 1.12.1998 to 13.10.1999.

**Research :2 years**

Research Scientist in Sameer, Mumbai from 3.10.2006 to 10.7.2008.

Papers Published : **National:** --

**International :** --

Papers Presented in Conferences : **National: 2**

1. Paper titled ‘Optimal design for enhancement of circularly polarized bandwidth for microstrip antenna’ is selected for National Conference which was held from 9<sup>th</sup> – 11<sup>th</sup> December, 2008 organised by Dept. of Radio Science, Jodhpur.
2. Paper titled “Antenna Isolation Consideration and Techniques for Isolation Enhancement of FMCW Radar”, National Asian Pacific Regional Conference on Information & Communication Techniques, NCICT – 2010 organised by SVKM, NMIMS University March 5-6, 2010.

**International: 4**

1. “Antenna Isolation Considerations for Continuous Wave Radar” in International Conference on Microwave and Optoelectronics 2007.
2. “System Performance Improvement Techniques for Continuous Wave Radar” in International Conference on Radio Science 2008.
3. Paper titled ‘System Enhancement for FMCW Radar using isolation’ is selected for International Conference for IEEE–Antenna Wave Propagation Microwave symposium which was held in December, 2008 at Bangalore.
4. Paper titled “Enhancement Techniques at Antenna Isolation for IMCW Radar” – IEEE Journal 4<sup>th</sup> Microwave & Radar Week & 18<sup>th</sup> International Conference on Microwave Radar and Wireless Communication, June 14 to 18, 2010.

PhD Guide ? Give field & University	:	<b><u>Field:</u></b>	--
		<b><u>University:</u></b>	--
PhDs / Projects Guided	:	<b><u>PhDs :</u></b>	--
		<b><u>Projects at Masters level:</u></b>	--
Books Published / IPRs / Patents	:	1. Fundamentals of microwave Engg. (MU) 2. Advanced microwave Engg. (MU) 3. Microwave & Radar Engg. (GTU) 4. Microwave & Radar Engg. (MTU)	
Professional Memberships	:	ISTE	
Consultancy Activities	:		--
Awards	:		--
Grants fetched	:		--
Interaction with Professional Institutions	:		--

**Name of Teaching Staff** : Rahul Taware  
**Designation** : Assistant Professor  
**Department** : Electronics & Telecommunication



**Date of Joining the Institution:** 02/07/2009

**Qualifications with Class/ Grade:**

1. B.E. (Industrial Electronics Engg.) from Amravati University, 1st Class, 65.38%, summer, 2003.
2. M.E. EXTC (Pursuing)

**Total Experience in Years** : 12 Years

**Papers Published:**

**National:**

1. Paper on “Wireless Power Transmission” Technofocus Vol.1, Issue 3, 2011.
2. Paper on “High Power Radar Modulator” Technofocus Vol.2, Issue 1, 2011.

**International:**

1. Published a paper entitled “BER performance analysis of SSB-QPSK over AWGN & Rayleigh channel” in International Journal of Computer Applications IJCA, (0975 – 8887), Volume 5, 2013.
2. Published a paper entitled “Bit Error Rate Analysis for SSB QPSK Modulation” in International Conference on Advance Engineering & Technology proceeding, Pg 1-6, ISBN : 978-93-81693-99-1, Ahmedabad, 10th February, 2013
3. Published a paper entitled “BER Performance Analysis & Improvement in spectral efficiency for SSB-QPSK transmission” In International Journal of Electronics Communication and Computer Engineering IJECCE, Volume 4, Issue (2) REACT-2013, Volume 4, Issue 1, ISSN (Online): 2249–071X, ISSN (Print): 2278–4209

**Papers Presented In Conferences:**

**National:**

1. Paper presented on “BER Performance Analysis & Improvement in Spectral

Efficiency for SSB-QPSK Transmission”in National Conference (REACT-2013) organized by Bapurao Deshmukh College of Engineering, Sevagram Wardha, 2013

**International :**

1. Paper presented on ““BER performance analysis of SSB-QPSK over AWGN & Rayleigh channel” in International Conference on Communication Technology ICCT-2013 organized by D J Sanghvi College of Engineering, Mumbai .
2. Paper presented on “Bit Error Rate Analysis for SSB QPSK Modulation” in International Conference on Advance Engineering & Technology(ICAET) organized by INSTITUTE FOR RESEARCH AND DEVELOPMENT INDIA (IRD INDIA) Ahmedabad, 10th February, 2013

**Phd Guide? Give Field & University:**

**Phds / Projects Guided:**

**Books Published/IPRS/Patents:**

**Professional Memberships** : ISTE (LM 69374)  
IE (ST 383940-6)

**Consultancy Activities:**

**Awards:**

**Grants Fetched:**

**Interaction with Professional Institutions:**

Name of Teaching Staff : Prof.(Mrs.) Shivani Bhattacharjee  
 Designation : Assistant Professor  
 Department : Electronics & Telecommunication Engineering  
 Date of Joining the Institution : 18.7.2011



Qualifications with Class / Grade : 1. M.Tech. (Electronics & Communication. Engineering), 1<sup>st</sup> class with Distinction (76%) 2010.  
 2. B.E.. (Instrumentation) 1<sup>st</sup> class (65.5%.) in 2004.

Total Experience in Years : **Teaching : 6 years 9 months**  
 1. Asst.Professor, D.J.Sanghvi College of Engineering from 18.7.2011.  
 2. Lecturer, K.J. Somayia College of Engg. from 1.2.2011 to 13.5.2011.  
 3. Lecturer, Apeejay College of Engg. Sohna, Gurgaon from October, 2005 to 15.1.2011.

**Industry: 1 year 3 months**

Executive Quality Assurance in SKN Associates Pvt.Ltd., Faridabad from June 2004 to September, 2005.

**Research: --**

Papers Published : **National: 3**

1. Design of high speed UART for programming FPGA –National Conference on Advances in VLSI Embedded & Communication organized by AFSET, Faridabad.
2. Data Centric Wireless Network Protocols:Attacks and Counter measures-National conference on Recent Emergence & Scope of Electronics Architecture Research-2KX at HEC, Jagadhri.
3. Adhoc Wireless Sensor Network for Emergency Medical Care –National Conference NCEICS,2008 organized by Appeejay College of Engg. Sohna, Gurgaon.

**International: 1**

FPGA based design and implementation of high speed multichannel UART-International Conference on innovative Practices in management and Technology for excellence SRIJAN 2010 organized by MAIMT, Jagadhari.

Papers Presented in Conferences : **National: 2**

1. Design of high speed UART for programming EPGA
2. Adhoc wireless sensor network for emergency medical care.

**International: 1**

FPGA based design & implementation of speed multichannel UART.

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

PhDs / Projects Guided : **PhDs :** --  
**Projects at Masters level:** --

Books Published / IPRs / Patents : --

Professional Memberships : --

Consultancy Activities : --

Awards : --

Grants fetched : --

Interaction with Professional  
institutions

:

--

**Name of Teaching Staff:** Ameya Arun Kadam  
**Designation:** Assistant Professor  
**Department:** Electronics & Telecommunication  
**Date of Joining The Institution:** 01/08/2011



**Qualifications With Class/ Grade:**

1. M.E. – Electronics & Telecommunication Engineering from University of Mumbai in April, 2009 , 1st class with Distinction 73.83%.
2. B.E. (Electronics & Telecomm. Engineering) from University of Mumbai in June 2003, 1st class 65.65%.

**Total Experience In Years: 11**

1. Assistant Professor, D.J. Sanghvi College of Engineering from 1.8.2011 to till date.
2. Assistant Professor, Thakur College of Engineering & Technology from 1.6.2010 to 30.7.2011.
3. Lecturer, Thakur College of engineering & Technology from 5.7.2004 to 31.5.2010.
4. Lecturer, Thadomal Sahani Engineering College, from 24.1.2004 to 30.4.2004.

**Papers Published:**

1. Microstrip Reflectarray with Micro strip Antenna Feed  
International conference on communication, computers & Instrumentation 2009  
(ICCCI'09) Vivekananda Education Society's Institute of Technology  
02/01/2009-03/01/2009
2. Microstrip Reflectarray with Microstrip Antenna Feed  
International Radar Symposium India (IRSI) Bangalore, INDIA,  
08/12/2009-11/12/2009
3. Modal analysis of Broadband & Dual band slot cut rectangular microstrip antenna  
Antenna & propagation Symposium (APSYM'10) Cochin, INDIA  
14/12/2010-16/12/2010  
ISBN: 978-83-80095-10-3
4. Brodband Circular Microstrip Antennas



Antenna & propagation Symposium (APSYM'10) Cochin, INDIA

14/12/2010-16/12/2010

ISBN: 978-83-80095-10-3

5. Broadband Proximity fed rectangular antenna array

Antenna & propagation Symposium (APSYM'10) Cochin, INDIA

14/12/2010-16/12/2010

ISBN: 978-83-80095-10-3

6. Design of triple band rectangular microstrip antenna using two elements

International Conference & Workshop on emerging Trends (ICWET'11)

Thakur College of Engineering & Technology, Mumbai.

ACM 2011

ISBN: 978-1-4503-0449-8

7. Broadband Proximity Fed Modified E-Shaped Microstrip Antenna

Seventeenth National Conference on Communications NCC 2011, 28-30 January 2011, Indian Institute of Science Bangalore. (IEEE Explore)

ISBN: 978-1-61284-090-1

8. Shorted Plate Slot cut Proximity fed Broadband Microstrip Antenna

[India Conference \(INDICON\), 2011 Annual IEEE](#), 16-18 Dec. 2011

ISBN: 978-1-4577-1110-7

9. Proximity fed Circular Microstrip Antennas

[Applied Electromagnetics Conference \(AEMC\), 2011](#), December 18-22, 2011

ISBN: 978-1-4577-1099-5

10. Proximity Feed Rectangular Microstrip Antennas

INTERNATIONAL JOURNAL OF MICROWAVE AND OPTICAL TECHNOLOGY,

VOL.7, NO.3, MAY 2012

11. Analysis of Slot Cut Broadband and Dual-band Rectangular Microstrip Antennas

IETE Journal of Research (Medknow Publications & Media Pvt. Ltd)

May/June 2013, Vol. 59 Issue 3, p193

12. Linearly Polarized Microstrip Reflectarray with Microstrip Antenna Feed

IETE JOURNAL OF RESEARCH

VOL 59, ISSUE 4, JUL-AUG 2013

13. Design of a Microstrip-Fed Quad-Band Slot Antenna for WLAN/WiMAX Application  
IJCA Proceedings on International Conference on Communication Technology  
(0975 – 8887)
14. Reflectarray Antennas  
International Journal of Computer Applications (0975 – 8887)  
Volume 108 – No. 3, December 2014
15. Broadband offset CPW-Fed square slot antenna  
Antenna & propagation Symposium (APSYM'10) Cochin, INDIA  
17/12/2014-19/12/2014  
ISBN: 978-93-80098-60-8
16. Linearly Polarised Stub Loaded Microstrip Reflectarray with Microstrip antenna feed  
Antenna & propagation Symposium (APSYM'10) Cochin, INDIA  
17/12/2014-19/12/2014  
ISBN: 978-93-80098-60-8
17. Dual polarized stub loaded microstrip Reflectarray with microstrip antenna feed  
International Conference on Pervasive Computing (ICPC), 2015  
DOI: 10.1109/PERVASIVE.2015.7087059

**Phd Guide? Give Field & University:**

**Phds / Projects Guided:**

**Books Published/IPRS/Patents:**

**Professional Memberships:**

**Consultancy Activities:**

**Awards:**

**Grants Fetched:**

**Interaction With Professional Institutions:**

**Name Of Teaching Staff:** Ranjushree Pal

**Designation:** Assistant Professor

**Department:** Electronics & Telecommunication

**Date Of Joining The Institution:** 02/07/2012

**Qualifications With Class/ Grade:**

**Qualifications with Class /  
Grade**

- : 1. M.E. (Electronics & Telecommunication) from Jadavpur University Kolkatta in 2000 with 84.8%**
- 2. Bachelor of Technology (Radio Physics & Electronics) from University of Kolkatta in 1993 with 72.5%**
- 3. Bachelor of Science (Physics Hons.) from Kolkatta University in 1990 with 63%.**

**Total Experience In Years:** 14

- 1. Assistant Professor, D.J. Sanghvi College of Engineering from 2.7.2012 till date.**
- 2. Sr. Lecturer, Fr. Conceicao Rodrigues College of Engineering from August 2007 to Jun 2010.**
- 3. Lecturer from August 2002 to July 2007.**
- 4. Assistant Professor in Fr. Conceicao Rodrigues College of Engineering from August 2007 to 30th June 2012**

**Papers Published:**

**International :**

**International Journal on Recent Trends in Engineering & Technology (IJRTET) published by ACEEE**

**Phd Guide? Give Field & University:**

**Phds / Projects Guided:**

**Books Published/IPRS/Patents:**

**Professional Memberships: --Life member of ISTE**

**Consultancy Activities:**

**Awards:**

**Grants Fetched:**

**Interaction With Professional Institutions:**



**Name Of Teaching Staff:** Venkata A P Chavali

**Designation:** Assistant Professor

**Department:** Electronics & Telecommunication

**Date Of Joining The Institution:** 03/07/2012

**Qualifications With Class/ Grade:**

1. M.E. (Digital Communication) from T.I.T. Bhopal in 2010 with 72%
  2. B.E. (ECE) SRKR Engineering College from Andhra University in May 2004 with 73.4%
- Total Experience In Years:** 7

**Papers Published:**

**National:**

**International:**

**Papers Presented In Conferences:**

**National: 1**

Alias Free Sub Band Adaptive Filtering With Critically Sampled Filter Banks- National Conference On "VLSI, Embedded Systems, Signal Processing And Communication Technologies" LNCT, Bhopal Held On 26-27, March 2010.

**International : 2**

1. Artificial Neural Network Model For Suspended Equilateral Triangular Microstrip Antennas- 2015 International Conference On Communication, Information & Computing Technology (ICCICT) Jan 16-17, Mumbai , India
- 2 .Artificial Neural Network Model For Suspended Rectangular Microstrip Antennas- ICAC3'15 , April 1, Fr.Agnel ,Mumbai,India.

**Phd Guide? Give Field & University:**

**Phds / Projects Guided:**

**Books Published/IPRS/Patents:**

**Professional Memberships:**

**Consultancy Activities:**

**Awards:**

**Grants Fetched:**

**Interaction With Professional Institutions:**



Name of Teaching Staff: **Dr. Sunil Karamchandani**

Designation: **Assistant Professor**

Department: **Electronics & Telecommunication**

Date of Joining the Institution: **03/07/2012**

Qualifications with Class/ Grade:

- 1. PhD, Department of Electrical Engineering, IIT Bombay, 2012**
- 2. M.E. (Electronics Engineering), Mumbai University, 2002**
- 3. B.E. (Electronics Engineering), Mumbai University, 1992**



Total Experience in Years: **13**

Papers Published:

National: **03**

International: **10**

Papers Presented In Conferences:

National: **08**

International: **22**

PhD Guide: Give Field & University: **NA**

PhDs / Projects Guided:-

Books Published/IPRS/Patents: **02 Books and 1 Book chapters**

Professional Memberships: **IEEE, ISTE**

Consultancy Activities: **Blue Star, Image Processing, 2008-2009**

Awards: Microsoft Travel Grant Awards: **2010, 2012**

Grants Fetched:-

Interaction with Professional Institutions: **University of Arad, Romania, Kalasalingam University TN, India.**

#### *MAGAZINE / MEDIA / PRESS COVERAGE*

[1] Nature Magazine, “Wearable Sensor”, doi: 10.1038/nature.2011.122, Published: 23rd August 2011.

[2] Hindustan Times, “How healthy are you? A patch of cloth can find out”, Published: 19th

September 2011.

[3] Financial Express, “Power Packed Study: Turning Cloth into a Body Sensor”, Published: 10th October 2011.

[4] Lokmat Express, “A cloth sensor to identify eight diseases”, Published: 11th October 2011

### *Recent Publications*


S. H. Karamchandani, K. Gandhi, S. Gosalia, “PCA Encrypted Short Acoustic Data Inculcated in Digital Color Images” International Journal of Computers, Communications & Control (IJCCC), ISSN 1841-9844, 2014.

D. Suru, S. H. Karamchandani, Image Fusion in Variable Raster media for enhancement of Graphic Device Interface, The International Conference on Computing Communication Control and Automation, (ICCBEA), 26 – 27, February 2015

Elijah Mathew, S.H. Karamchandani, T.D. Biradar, Mobile Function Generator Using Android, International Conference on Advances in Computing, Communication and Control, 1-2, Elsevier, April 2015.

P. Gandhi, S.H. Karamchandani, A Simple Algorithm For Designing An Artificial Intelligence Based Tic Tac Toe Game, IEEE, ICPC 2015.

D. Suru and S. H. Karamchandani, “Image Fusion in variable Raster media for enhancement of Graphic Device Interface”, Proc. IEEE International Conference on Nascent Technologies in the Engineering (IJERT), 2015.

Name of Teaching Staff	: Prof.(Ms.) Mrunalini E. Ingale	
Designation	: Assistant Professor	
Department	: Electronics & Telecomm.Engineering	
Date of Joining the Institution	: 4.7.2013	
Qualifications with Class / Grade	: 1. M.Tech. (Electronics Engg.), YCCE Autonomous Nagpur, with 1 <sup>st</sup> class, 7.61 May 2012. 2. B.E. (Electronics Engg.), YCCE Nagpur with 1 <sup>st</sup> Class 66.65% Jun' 2008.	
Total Experience in Years	: <b>Teaching: 4 Years</b>	
	1. Assistant Professor (Adhoc), D.J. Sanghvi College of Engineering from 4.7.2013 till date.	
	2. Assistant Professor (Adhoc), D.J. Sanghvi College of Engineering from 22.7.2012 to 30.6.2013.	
	3. Lecturer, Yashwantrao Chavan College of Engineering from 11.8.2009 to 30.4.2012	
	<b>Industry:</b>	--
	<b>Research:</b>	--
Papers Published	: <b>National:</b>	--
	<b>International:</b>	--
Papers Presented in Conferences	: <b>National:</b>	--
	<b>International:</b>	--
PhD Guide ? Give field & University	: <b>Field:</b>	--
	<b>University:</b>	--
PhDs / Projects Guided	: <b>PhDs :</b>	--
	<b>Projects at Masters level:</b>	--
Books Published / IPRs / Patents	:	--
Professional Memberships	:	--
Consultancy Activities	:	--
Awards	:	--
Grants fetched	:	--
Interaction with Professional Institutions	:	--

**Name Of Teaching Staff:** Archana.Chaudhari  
**Designation:** Assistant Professor  
**Department:** Electronics & Telecommunication  
**Date Of Joining The Institution:** 13/07/2013



**Qualifications With Class/ Grade:**

1. M.E. (EXTC) from VCET Chembur, Mumbai University with first class
2. B.E. (EXTC) SSGMCE, Shegaon, Amravati University with first class

**Total Experience In Years:** 12 years

**Papers Published:**

**National:** 4

**International:** 2

**Phd Guide? Give Field & University:**

**Phds / Projects Guided:**

**Books Published/IPRS/Patents:**

**Professional Memberships:**

**Consultancy Activities:**

**Awards:**

**Grants Fetched:**

**Interaction With Professional Institutions:**



**Name Of Teaching Staff:** Prof. Yukti Bandi

**Designation:** Assistant Professor

**Department:** Electronics & Telecommunication Engineering

**Date Of Joining The Institution:** 09/07/2013



**Qualifications With Class/ Grade:**

1. M.Tech (Mobile Computing Technology) from School of Electronics DAV , Indore(M.P.) in 2010 with 81.38%

2. B.E. (EXTC) from Rajiv Gandhi Technical University, Bhopal (M.P.) in June 2007 with 80%

**Total Experience In Years:** 3.5

**Papers Published:**

**National:**

**International:**

**Papers Presented In Conferences:**

**National: 4**

a) "Wireless self assessment test using j2me and servlet jsp" Communicated to Conference on Information and Communication Technologies ,Singhania university, Udaipur(Raj.).

b) "Multi-frequency identification-a review and some experimental results" Communicated to conference on Virtual and Intelligent Instrumentation, BITS, Pilani(Raj)

c) "Spatial analysis on internet" Communicated to conference on Emerging Trends in Electrical and Electronics Engineering, Gyan Ganga Institute of Technology and Management ,Bhopal(M.P.)

d) "Sustainable Growth in Technical Education" Communicated to National conference organized by ISTE student chapter, MIT, Mandasaur(M.P.)

**Phd Guide? Give Field & University:**

**Phds / Projects Guided:**

**Books Published/IPRS/Patents:**

**Professional Memberships:**

**Consultancy Activities:**

**Awards:** Gate Score Card 2008

**Grants Fetched:**

**Interaction With Professional Institutions:**

**Name of Teaching Staff:** Revathi A S

**Designation:** Assistant Professor

**Department:** Electronics & Telecommunication

**Date of Joining the Institution:** 05/01/2015



**Qualifications with Class/ Grade:**

1. M.E. (Communication systems) from Anna university, Coimbatore, Tamilnadu in 2014 with 8.53(CGPA)

2. B.tech (Electronics and Communication) Calicut University, Kerala in 2011 with 71.24%

**Total Experience In Years:** 11 months

**Papers Published:**

**National:**

**International:**

**Papers Presented In Conferences:**

**National: 3**

1) Presented a paper titled “**Location map based reversible data hiding based on histogram shifting**” in TEQIP - II Sponsored National Conference On **Communication Systems and VLSI Design (NCCSVD 2014)** conducted by ECE Dept. of PSG College of Technology, Coimbatore on 30/01/2014.

2) Presented a paper titled “**Efficient Reversible data hiding scheme for performance improvement in grayscale images**” in **TCS and TNSC sponsored national conference on Computing, Communication and Information systems (NCCCIS 2014)** conducted by IT Dept. of Sri Krishna College of engineering Technology, Coimbatore on 07/02/2014.

3) Presented a paper titled “**Prediction error expansion based Reversible data hiding for color images using cross channel correlation**” in the **national conference on Communication, Information& Telematics(CITEL 2014)** conducted by ECE Dept. of Kumaraguru College of Technology, Coimbatore on march 13<sup>th</sup> and 14<sup>th</sup> ,2014

**International :**

**Phd Guide? Give Field & University:**

**Phds / Projects Guided:**

**Books Published/IPRS/Patents:**

**Professional Memberships:**

**Consultancy Activities:**

**Awards:** *Qualified UGC NET Examination foe Electronics conducted in June 2013*

**Grants Fetched:**

**Interaction With Professional Institutions:**

**Name of Teaching Staff:** Prof.(Mrs.)Aarti G. Ambekar

**Designation:** Assistant Professor

**Department:** Electronics & Telecommunication

**Date Of Joining The Institution:** 05/01/2015



**Qualifications With Class/ Grade: Name**

- 1.M.E. (Electronics Engg.) from University of Mumbai  
1st Class 68.86% , 2013.
2. B.E (EXTC Engg.) from University of Pune, 1st Class  
60%, 2006

**Total Experience in Years: Teaching:- 8 Years**

1. Assistant Professor in EXTC dept. at D.J. Sanghvi College of Engineering from 05.01.2006 till date.
2. Assistant Professor in EXTC dept. at Y.T.C.E.M. from 1.03.2014 to 30.12.2014
3. Lecturer in EXTC dept. at Y.T.C.E.M. from 15.07.2008 to 28.02.2014
4. Lecturer(Adhoc) in ETRX dept. at K.J.S.C.O.E. from 10.07.2007 to 11.07.2008

**Industry:- 1 Year**

Technician Apprentice at Philips India Limited, Pune from August 1997 to July 1998

**Papers Published:**

**National: ---**

**International: 2**

1. Published a paper entitled “Bilingual OCR for printed English and Devnagri Scripts” in international Journal PARIPEX, Indian Journal of Research, Gujarat Jan,2013, Vol-2, Issue-1
2. Published a paper entitled “Classification of RBC & WBC in Peripheral blood smear uses KNN” in PARIPEX, Indian Journal of Research, Gujarat in Jan,2013, Vol-2, issue-1

**Papers Presented In Conferences:**

**National: ----**

**International : 3**

1. Presented a paper entitled, “Bilingual OCR for handwritten English & Marathi Text” in International Conference on Emerging Trends in Technology & Its Application (ICETTA-2013) on 06th, 07<sup>th</sup> March, 2013 at YTIET, Karjat

2. Published a paper entitled, “Computerized Blood cell count using KNN classifier” in International Conference on Advance in Communication and computing Technology on 10th, 11<sup>h</sup> August, 2013 at PVPPCOE, Sion, Mumbai
3. Presented a paper entitled, “Invariants moments and density based OCR for printed Marathi Text’ in International Conference on “Emerging Trends in Technology & Its Application (ICETTA-2014)” on 07<sup>th</sup>, 08<sup>th</sup> March, 2014 at Yadavrao Tasgaonkar College of Engineering & Management (YTCEM), Bhivpuri road Karjat.

**Phd Guide? Give Field & University: ----**

**Phds / Projects Guided: ---**

**Books Published/IPRS/Patents: ---**

**Professional Memberships: ISTE Life Time Membership**

**Consultancy Activities: ----**

**Awards: ----**

**Grants Fetched: ----**

**Interaction With Professional Institutions: ---**

**Name Of Teaching Staff:** Deepshikha Hinger

**Designation:** Assistant Professor(Ad-Hoc)

**Department:** Electronics & Telecommunication

**Date Of Joining The Institution:** 05/01/2015



**Qualifications With Class/ Grade:**

1. M.E. (EXTC) from S.P.I.T., Mumbai in 2014 with CGPI 9.03.
2. B.E. (ECE) Geetanjali Institute of Technical Studies, Udaipur, Rajasthan in August, 2007 with 76.16%.

**Total Experience In Years:** 4 Years 3 Months

**Papers Published:**

**National:**

**International:**

**Papers Presented In Conferences:**

**National:**

**International : 2**

1. D. Hinger and D. R. Kalbande, "Review of Mobile Data Offloading through Wi-Fi", IEEE International Conference on Circuits, Systems, Communication and Information Technology Applications, Mumbai, India, April 2014.
2. D. Hinger and D. R. Kalbande, "Investigation of Throughput Gains by Mobile Data Offloading from LTE to Wi-Fi", IEEE INDICON 2014 Emerging Trends in Innovation and Technology, Pune, India, December 2014

**Phd Guide? Give Field & University:**

**Phds / Projects Guided:**

**Books Published/IPRS/Patents:**

**Professional Memberships:**

**Consultancy Activities:**

**Awards:**

**Grants Fetched:**

**Interaction With Professional Institutions:**

**Name Of Teaching Staff:** Swarali Sharad Narvekar

**Designation:** Assistant Professor (adhoc)

**Department:** Electronics & Telecommunication

**Date Of Joining The Institution:** 10/01/2011



**Qualifications With Class/ Grade:**

1. M.E. (Electronics and Telecommunication) DJ Sanghvi College of Engineering from Mumbai University in 2014 with 72.75% (First Class with Distinction)
2. B.E. (Electronics and Telecommunication) Xavier Institute of Engineering from Mumbai University in 2009 with 69.24% (First Class)
3. Diploma (Electronics and Communication) Shree Ram Polytechnic from Maharashtra State Board of Technical Education in 2006 with 76.08% (First Class with Distinction)

**Total Experience In Years:** 5.4

**Papers Published:**

**National:**

**International:**

1. Analysis of Cursor Movement using SixthSense Technology, IJCA Proceedings on International Conference on Communication Technology ICCT(2):13-18, October 2013. Published by Foundation of Computer Science, New York, USA
2. Vision Based Analysis using SixthSense Technology, IJCA Proceedings on International Conference and Workshop on Emerging Trends in Technology 2013 ICWET(1):21-24, April 2013. Published by Foundation of Computer Science, New York, USA

**Papers Presented In Conferences:**

**National: 1**

Vision Based Analysis using SixthSense Technology, 2<sup>nd</sup> National Conference on Recent Trends in Wired & Wireless Communication organized by SIES Graduate School of Technology, Navi Mumbai. March 15-16, 2013

**International : 2**

1. Analysis of Cursor Movement using SixthSense Technology, International Conference on Communication Technology 2013 organized by Dwarkadas J. Sanghvi College of Engineering, Vile Parle, Mumbai. October 17-19, 2013
2. Vision Based Analysis using SixthSense Technology, .International Conference & Workshop on Electronics & Telecommunication Engineering 2013, Multicon-W 2013

organized by Thakur College of Engineering and Technology, Kandivali, Mumbai  
February 22-23, 2013.

**Phd Guide? Give Field & University:**

**Phds / Projects Guided:**

**Books Published/IPRS/Patents:**

**Professional Memberships:** Life time membership of Indian Society for Technical Education

Membership No. LM103068

**Consultancy Activities:**

**Awards:**

**Grants Fetched:**

**Interaction With Professional Institutions:\**



**Name Of Teaching Staff:** Tushar Vitthal Sawant

**Designation:** Assistant Professor

**Department:** Electronics & Telecommunication

**Date Of Joining The Institution:** 23/07/2012

**Qualifications With Class/ Grade:**

1. M.E. (EXTC) from Mumbai University 2014 with 68.27%
2. B.E. (EXTC) K.J. Somaiya college of Engineering Mumbai University in May 2007 with 64.85%



**Total Experience In Years:** 3 years and 5 months

**Papers Published:**

**National:**

**International: 1**

IEEE Explore "Computer Independent USB to USB Data Transfer Bridge", ICETET-2013 April 2014.

**Papers Presented In Conferences:**

**National: 1**

REACT 2013, "USB to USB Data Transfer without PC" Sep 2013, Wardha, India

**International : 1**

1. Emerging Trends in Engineering and technology ICETET-2013 "Computer Independent USB to USB Data Transfer Bridge" Dec 16-18th, Nagpur , India

**Phd Guide? Give Field & University:**

**Phds / Projects Guided:**

**Books Published/IPRS/Patents:**

**Professional Memberships:**

**Consultancy Activities:**

**Awards:**

**Grants Fetched:**

**Interaction With Professional Institutions:**

**Name Of Teaching Staff:** Neelam V. Phatak

**Designation:** Assistant Professor

**Department:** Electronics & Telecommunication

**Date Of Joining The Institution:** 15/06/2014

**Qualifications With Class/ Grade:**

**Qualifications with Class /  
Grade**

1. M.E. (Electronics & Telecommunication) from Mumbai University
2. Bachelor of Technology (Electronics and Communication) from SNDT women's University Mumbai in 2011 with 62.1%
3. Diploma in (Electronics & Telecommunication) from MSBTE 2008 81%



**Total Experience in Years:** 3

1. Assistant Professor, D.J. Sanghvi College of Engineering from 14.6.2014 till date.
2. Visiting Faculty in D.J. Sanghvi College of Engineering from Jan 2014- April 2014.
3. Visiting Faculty in SNDT College from 07-07-2013 -30-9-2013
4. Teaching Asst, D.J. Sanghvi College of Engineering from 15.6.2012 to 30.5.2013.

**Papers Published:**

- [1] Amit A. Deshmukh, Neelam Phatak, Shafin N. and Ankita R. Jain, "Broadband proximity fed shorted  $60^\circ$  sectoral Microstrip Antennas", IJCA Proceedings on International Conference on Communication Technology (ICCT – 2013), 17<sup>th</sup> – 19<sup>th</sup> October 2013, DJSCOE, Mumbai, India. (ICCT (3), 29 – 33, October, 2013- <http://ijcaonline.org/proceedings/icct/number3/13664-1329>) (ISBN – 973 – 93 – 80877 – 84 – 1)
- [2] Amit A. Deshmukh, Neelam Phatak and K. P. Ray, "Broadband  $\Psi$ -shaped Microstrip Antenna", Proceedings of CSCITA – 2014, 4th & 5th April, 2014, Mumbai, India, (IEEE digital library, pp. 13 – 18) (10.1109/CSCITA.2014.6839227)
- [3] Amit A. Deshmukh, Neelam Phatak and Shafin Nagarbowdi, "Broadband Proximity fed Rectangular Slot Cut C-shaped Microstrip Antenna Array", Proceedings of CSCITA –

- 2014, 4th & 5th April, 2014, Mumbai, India, (IEEE digital library, pp. 7 – 12)  
(10.1109/CSCITA.2014.6839226)
- [4] Amit A. Deshmukh, Neelam V. Phatak and Shafin Nagarbowdi, “Broadband Slot cut 270<sup>0</sup> Sectoral Microstrip Antenna”, Proceedings of ICACIT – 2014, pp. 37 – 42, 18<sup>th</sup> & 19<sup>th</sup> December 2014, Mumbai, India, (Elsevier publication, ISBN - 9789351073000)
- [5] Amit A. Deshmukh, Shafin Nagarbowdi and Neelam V. Phatak, “Analysis of V-slot cut Shorted Isosceles Triangular Microstrip Antenna”, Proceedings of ICACIT – 2014, pp. 49 – 54, 18<sup>th</sup> & 19<sup>th</sup> December 2014, Mumbai, India, (Elsevier publication, ISBN - 9789351073000)
- [6] Amit A. Deshmukh, Neelam V. Phatak, S. Nagarbowdi, Khitij Lele and K. P. Ray, “Broadband Sectoral Microstrip Antennas”, Proceedings of APSYM – 2014, 17<sup>th</sup> - 19<sup>th</sup> December 2014, Kochi, India, pp. 191 – 194, ISBN – 978-93-80095-60-8
- [7] Amit A. Deshmukh, Neelam V. Phatak and Shafin Nagarbowdi, “Analysis of Shorted V-slot cut Dual and Wide band Triangular Microstrip Antenna”, Proceedings of ICCICT - 2015, 15<sup>th</sup> - 17<sup>th</sup> Januray 2015, Mumbai, India (IEEE Digital Library, Print ISBN: 978-1-4799-5521-3, INSPEC Accession Number: 14933415, pp. 1 – 6, DOI - 10.1109/ICCICT.2015.7045703)
- [8] Amit A. Deshmukh, Neelam V. Phatak and Shafin Nagarbowdi, “Broadband Proximity Fed Shorted Sectoral Microstrip Antennas”, Proceedings of ICCICT - 2015, 15<sup>th</sup> - 17<sup>th</sup> Januray 2015, Mumbai, India (IEEE Digital Library, Print ISBN: 978-1-4799-5521-3, INSPEC Accession Number: 14933467, pp. 1 – 6, DOI - 10.1109/ICCICT.2015.7045695)
- [9] Amit A. Deshmukh, Shivali D. Kulkarni, Venkata A. P. C., and Neelam V. Phatak, “Artificial Neural Network Model for Suspended Rectangular Microstrip Antennas”, Accepted for Publication in ICAC3 – 2015, 1<sup>st</sup> & 2<sup>nd</sup> April 2014, Mumbai, India, (Elsevier Digital Library)
- [10] Amit A. Deshmukh and Neelam V. Phatak, “Broadband Sectoral Microstrip Antennas”, IEEE Antennas and Wireless Propagation Letters, Vol. 14, pp. 727 – 730, 2015. (DOI - 10.1109/LAWP.2014.2385108)
- [11] Amit A. Deshmukh, Rakesh Jondhale, Ishitva Ajmera and Neelam Phatak, “Analysis of Broadband L-probe fed Microstrip Antennas”, International Journal of Computer Application, Vol. 91, No. 3, pp. 43 – 47, April 2014 Edition, <http://www.ijcaonline.org/archives/volume91/number3/15865-4800>, ISBN : 973-93-80881-03-2. (DOI - 10.5120/15865-4800).

- [12] Amit A. Deshmukh, Shafin Nagarbowdi and Neelam Phatak, "Broadband Gap-coupled Variations of Equilateral Triangular Microstrip Antennas", International Journal of Computer Application, Vol. 88, No. 8, pp. 34 – 40, February 2014 Edition, <http://www.ijcaonline.org/archives/volume88/number8/15374-3947>, ISBN : 973-93-80880-38-3. (DOI - 10.5120/15374-3947)
- [13] Amit A. Deshmukh, Neelam V. Phatak, Shafin N. and Rishi Ahuja, "Analysis of Broadband E-shaped Microstrip Antennas", International Journal of Computer Application, Vol. 80, No. 7, pp. 24 – 29, October 2013 Edition, <http://www.ijcaonline.org/archives/volume80/number7/13874-1743>, ISBN : 973-93-80878-27-5. (DOI - 10.5120/13874-1743)