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Education:	<ul style="list-style-type: none">• B.E. (E&CE) University of Madras 1989• M.E (E&TC) Spl: Microwave, University of Pune 2001• Registered & Pursuing Ph.D (E & TC) in University of Pune• Total teaching Experience : 20 years
Research Interests:	<ul style="list-style-type: none">• Antennas• Microwaves• Electromagnetic Interference & Compatibility (EMI/EMC)• Radio Frequency Absorbers
Funded Research Projects:	“Identification and Testing of Some Radio Frequency Absorbing Materials for using in Anechoic Chamber”, BCUD, University of Pune, Rs. 1,50,000/- - - Principal Investigator.
Teaching:	<ul style="list-style-type: none">• Analog Communication / Communication Engineering• Digital Communication / Communication Systems• Optical & Microwave Communication• Voice Networks / Telematics• Network Theory / Network Analysis & Lines• Data Communication / Radiation & Microwave Techniques• RF and Microwave Circuit Design (at PG level)
Projects:	<ul style="list-style-type: none">• Undergraduate Projects guided: 20 +• Postgraduate Projects guided: 2
Professional Memberships:	<ul style="list-style-type: none">• Life Member of Indian Society for Technical Education (ISTE)• Life Member of Institution of Electronics & Telecommunication Engineers(India) (IETE)• Life Member of Institution of Engineers (India) (IEI).• Life Member of Semiconductor Society (India) (SSI).• Life Member of Instrument Society of India (ISOI)• Life Member of Society of EMC Engineers in India (SEMCEI)

Professional Contribution:	<ul style="list-style-type: none"> • Formed & Served as Founder Branch Counselor of IEEE-VIIT Students branch for 2 years. • Served as Chapter Secretary & Treasurer for I.S.T.E at PREC, Loni for 2 Years. • Co-ordinator of a Two Days Workshop on Curriculum of University of Pune at PREC, Loni & a Two Days Workshop on finalizing the Structure of University of Pune at VIIT, Pune • Co-Convener of the “National Conference on Broadband Communication Systems” [NCBCS 2006] at VIIT, Pune-48, during 1st – 3rd Sept. 2006. • Chief Co-Ordinator of the ISTE approved Short Term Training Programme on Advanced Communication Systems [STTP-ACS] held during 23rd – 28th June 2008 at VIIT, Pune. • Recognition as PG Teacher of University of Pune. (Applied). • Key Person for MoU between VIIT and Lambda Microwave Technologies Ltd., Gaziabad
Publications:	<ul style="list-style-type: none"> • International & National Journals: 3 + 1 (Communicated) • International Conferences: 12 • National Conferences : 13 • Books Authored / co-authored: 3 • Editor of Proceedings of NCBCS2006
Computer Skills:	<ul style="list-style-type: none"> • Languages: Matlab, C • Applications: Microsoft office, common Windows database, spreadsheet, and presentation software’s, PowderX, JCPDS • Operating Systems: Windows, Linux

Books Published:

- i) Mobile Communication System, Publisher: TechMax, Pune.
- ii) Communication System-I, Publisher: TechMax, Pune.
- iii) Optical & Microwave Communication”, Publisher: Nirali Prakashan, Pune.

Paper Publications:

1. *M.Murugan, et al*, ‘Optical Fiber based Single Channel Quad Input Simplex Voice and Data Communication System’, Proc. of International Conference on BBOFCT-2001, North Maharashtra University, Jalgaon, India, Dec.2001, Pages: 377-385.
2. *M.Murugan, et al*, ‘Electronic Voting Machine Design: Application of Dual Pressing Circuit & Paralysis Circuit’, Proc. of International Conference on BBOFCT-2001, North Maharashtra University, Jalgaon, India, Dec.2001, Pages: 596-506
3. *M.Murugan, et al*, ‘Four Input Voice and Data Communication Through Single Optical Channel’, Journal of Education, I.E.T.E., New Delhi, India, Apr-Jun.02, Vol:43, No:2, Pages:10-17
4. *M.Murugan, et al*, ‘Global Positioning System based Fleet Management and Distance Navigation Assistance System’, Proceedings Annual Convention and Exhibition of IEEE India Council [ACE-2002], Kolkatta, Dec.2002, pp:60-63.

5. *M.Murugan, et al*, 'Nano Technology: Applications in Space Mission, Souvenir of National Seminar on IDSS&BC-2003,N.I.E.C,Lucknow,India,Feb.2003, Page:36
6. *M.Murugan, et al*, 'Fuzzy Logic based Temperature Controller using MCS-51', Proc. of National Conference on Microchips Design and Technology, M.S.I.T, Delhi, India, Mar.2003, Pages: 125-126
7. *M.Murugan, et al*, 'Get Out the E-Vote', IEEE Circuits & Devices Magazine, New Jercey, USA, May-2003, Vol.19, No.3, Pages:32-38
[http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=1203176]
8. *M.Murugan, et al*, 'A Review of Fotonic Sensors in Modern Engineering Applications', Proc.of 10th National Conference on Physics & Technology of Sensors [NSPTS-10],VIT, Pune, India, Mar.2004, Pages: 112-117.
9. *M.Murugan, et al*, 'Wireless Data Communication in ISM Band-a Simplex & Simple Transmission Method', Proc. of National Conference on Recent Trends in Communication Technology [NATCOM'04], N.I.C.E, Kumaracoil, India, Apr.2004, Vol.3, Pages:215-218
10. *M.Murugan, V.K.Kokate*, 'Low Cost Anechoic Chamber Construction for EMI Under Control (EUC)-A Mandatory Test for Automobiles, Possibly in near Future', Proc. of National Seminar on Electronics in Automotives: Emerging Trends, IETE Pune Centre, Pune, India, Oct.2004, Pages: 82-83.
11. *M.Murugan, V.K.Kokate, et al*, 'Real Time Remote Intensive Care Unit for Patient in Emergency - a PC based approach' Abstract book of International Conference on Instrumentation (INCON-2004), Pune, India, Dec.2004, page: 10
12. *M.Murugan, V.K.Kokate*, 'Low Profile VHF Antenna for Mobile Communication', Proc. of IEEE India Council Annual Conference (INDICON 2004), I.I.T Kharagpur, India, Dec.2004, Pages:392-394
[http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=1497779]
13. *M.Murugan, et al*, 'AC Drive using SPWM Inverter', Proc. of National conference on SPCCN01-2005, VIT, Pune, India, July.2005, Pages:286-291
14. *M.Murugan, et al*, 'Adaptive Echo Cancellation using Gabor Expansion', Proc. of National Conference on Broadband Communication Systems [NCBCS 2006],VIIT, Pune, India, Sept.2006, Pages:59-65
15. *M.Murugan,et al*, 'Design of Multilayer RF Absorbing Materials for Different Angles of Incidence', Proc.of National Conference on Broadband Communication Systems [NCBCS 2006],VIIT, Pune, India, Sept.2006, Pages: 343-346
16. *M.Murugan, et. al*, 'Near Vertical Incidence Skywave (NVIS) Propagation', Proc. of International Conference on Sensors, Signal Processing, Communication, Control & Instrumentation (SSPCCIN), 3rd -5th Jan.2008, VIT, Pune, pp:655-659
17. *M.Murugan, et al*, 'Broadband Network for Live EduSat Connectivity of Conference Proceedings', Proc. of International Conference on Computer Networks & security [ICCNS2008], VIT, Pune, 27th-28th Sept.2008, pp: 220-223.
18. *M.Murugan, V.K.Kokate*, "Identification and Testing of Some Radio Frequency Absorbing Materials for using in Anechoic Chamber", Regional Conferences for Pune University College Engineering Teachers [INNOVATION-2008], 17th -18th Dec.08, University of Pune, Pune, India, Abstracts, pp.45.

19. *M.Murugan, V.K.Kokate, et al*, ‘Epoxy Resin modified Urea Formaldehyde and Silicon Urea Formaldehyde as Microwave Absorbers’, Proceedings of International Conference on Recent Advances in Microwave Theory and Applications [Microwave-08]’, 21st – 24th Nov. 08, Jaipur (Rajasthan), India, pp.480-483.
[http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4763183]
20. *M.Murugan, V.K.Kokate, et al*, ‘Nanoparticles of Barium and Strontium Titanates/ Epoxy resin as Microwave Absorbers’, Proceedings of International Conference on Electro Magnetic Interference and Compatibility [INCEMIC-08], 26th -27th Nov.08, Bangalore, India, pp.457-462.
<http://www.ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5154329&isnumber=5154173>
21. *M.Murugan, V.K.Kokate, et al*, ‘‘Reflection Co-efficient of Multilayer Microwave Absorbers in X-band’, Proceedings of International Conference on Electromagnetic Interference and Compatibility [INCEMIC-08], 26th -27th Nov.2008, Bangalore, India, pp.473-478.
<http://www.ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5154334&isnumber=5154173>
22. *M.Murugan, V.K.Kokate, et al*, ‘Composites of Barium Titanate/Epoxy Resin Synthesized in Different Concentrations as Microwave Absorber’, Proceedings of International Symposium on Microwaves [IEEE-ISM-08], 3rd– 6th Dec.08, Bangalore, India, pp.228-231.
23. *M.Murugan, V.K.Kokate, et al, M.Murugan, et al*, ‘Microwave Absorption of Epoxy Resin modified Urea Formaldehyde’, Proceedings of National Conference on Microwaves, Antennas, Propagation and Remote Sensing’, 19th -21st Dec. 2008, M.L.V.Government College, Bhilwara (Rajasthan), pp.200-204.
24. *M.Murugan, R.S.Pol et al*, ‘ActiveX Based Device Driver’ Proceedings of International Conference on Communication and Control, held at Vivekananda Education Societies College of Engineering, Chembur, Mumbai, during 2nd – 3rd Jan.2009, pp.293-294.
25. *M.Murugan,et al.*, ‘‘Microwave Reflectivity Measurement of Silicon Urea Polyvinyl alcohol / Epoxy Resin Composites in X and Ku Bands’’ Proceedings of IEEE Applied Electromagnetic Conference 2009 (AEMC 2009), Kolkatta, Dec. 14-16, 2009. [To be included in IEEE Xplore]
26. *M.Murugan, et al.*, ‘‘Microwave Absorbing Polymer Composites’’, Proceedings of International Conference on Emerging Trends an Electronic and Photonic Devices and Systems (ELECTRO-2009), IT-BHU, Varanasi, Dec. 22-24, 2009 [To be included in IEEE Xplore]
27. *M.Murugan, et al.*, ‘‘Synthesis of Nanosized Barium Titanate / Epoxy Resin Composites and Measurement of Microwave Absorption’’, Accepted for publication in ‘Bulletin of Material Science’, Springer Publication.
28. *M.Murugan,et al.*, ‘‘Identification, Synthesis and Testing of Some Polymer Composites as Microwave Absorbers’’, Regional Conferences for Pune University College Engineering Teachers [INNOVATION-2009], 9th -10th Dec.09, at NAC&SC, Ahmednagar and University of Pune, Abstracts, pp.49-50.