



Sinhgad Technical Education Society's

Sinhgad College of Engineering
Vadgaon (Budruk) Off. Sinhgad Road, S.No. 44/1,



Mrs. Achala Manoj Deshmukh

BE ENTC

amdeshmukh.scoe@sinhgad.edu

9422319006

Academic Qualification

Degree	Institute Name	University Name	Year of Passing	Percentage	Grade	Qualification Status
Ph.D. (Electronics & Communication)	Usha Mittal Institute of Technology, Mumbai	Shreemati nathibai damoar thackersey women's university.d	2014	-	-	Completed
BE Electronics	K.B.P. College of Engineering, Satara	Shivaji university	1993	69.8%	-	Completed
M. E.	T.K.I.E.T., Waranagar	Shivaji university	2004	62.0%	-	Completed

Research Projects

Project name	Description	Status	Budget	Prject type
PAPR Reduction for DVB T	DVB T uses OFDM modulation scheme which leads to high PAPR (Peak to Average Power Ratio). This adds nonlinearity for power amplifier and hence system performance degradation. The project proposes an innovative method of constant envelope OFDM scheme; which gives 0dB PAPR. This is achieved at the cost of increased system complexity.	Completed	100000	Simulation Projects

Consultancy Details

Title	Description	Agency	Percentage Completion	Amount Sanctioned	Amount Received
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Data Auditor for TEQIP Institutes	Data Auditor for COE, Karad and Dept. of Technology, Shivaji University, Kolhapur	TEQIP World bank Project			00.00
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Research Papers and Journals

ISSN/ISBN No	Paper Title	Publish Date	Journal/Conference Name	Level	Paper Status	Authors
NA	I2C Protocol Network Implementation Using Multi-Processor	2007	National Conference On Emerging Trends In Signal Processing And Communication , Pune	Conference - National level	Accepted and Published	Achala Deshmukh
NA	Study of Propagation Model at 60 GHz	2008	IET International Conference on Wireless Mobile and Multimedia Networks, Mumbai	Conference - International level	Accepted and Published	Achala Deshmukh
NA	Techniques to Reduce PAPR	2008	INNOVATION 2008, Conference for Engineering Teachers, Pune	Non-refereed but recognized and reputable journals and periodicals having ISBN / ISSN	Accepted and Published	Achala Deshmukh
NA	Space Frequency Coded OFDM System	2008	INNOVATION 2008, Conference for Engineering Teachers, Pune. Nov 2008 Organized by BCUD, University of Pune	Conference - State level	Accepted and Published	Achala Deshmukh
NA	Peak Power Reduction by Precoding Technique For DVB	2008	National Conference On Wireless Techniques (NCWT- 2008),	Conference - National level	Accepted and Published	Achala Deshmukh
NA	Space Frequency Coded OFDM System	2008	National Conference on Wireless Techniques (NCWT- 2008), Pune	Conference - National level	Accepted and Published	Achala Deshmukh
NA	Compensation Techniques for I/Q Imbalance In Direct Conversion Receivers	2008	National Conference on Wireless Techniques (NCWT- 2008), Pune	Conference - National level	Accepted and Published	Achala Deshmukh
NA	I/Q Imbalance Compensation Technique in Direct Conversion Receiver By NLS Method	2009	Multi-Disciplinary Conference 2009 Advancing Trends In Engineering And Management Technologies 2009, Nagpur,	Conference - National level	Accepted and Published	Achala Deshmukh

NA	The Analysis Of Selective-Repeat ARQ Schemes	2009	ICSSA, International Conference On Signal Systems and Automation, G.G.H. Patel College Of Engineering & Technology, Gujarat	Conference - International level	Accepted and Published	Achala Deshmukh
NA	Compensation Schemes and Performance Analysis of IQ Imbalances In Direct Conversion Receivers	2009	ICSSA, International Conference On Signal Systems And Automation, G.G.H. Patel College Of Engineering & Technology, Gujarat	Conference - International level	Accepted and Published	Achala Deshmukh
NA	Performance Evaluation of Wavelet Based OFDM System for DVB-T	2009	INNOVATION 2009, Conference for Engineering Teachers, Pune. Dec. 2009 Organized by BCUD, University of Pune	Conference - State level	Accepted and Published	Achala Deshmukh
NA	A PAPR Reduction Technique for DVB: Constant Envelope OFDM System	2009	INNOVATION 2009, Conference for Engineering Teachers, Pune. Dec. 2009 Organized by BCUD, University of Pune	Conference - State level	Accepted and Published	Achala Deshmukh
0974-9713	Implementation of Hybrid ARQ	2010	CIIT International Journal of Networking and Communication Engineering, Volume 2, No. 3, March 2010	Refereed and Indexed Journal	Accepted and Published	Achala Deshmukh
978-3-642-18439-0	CE-OFDM: An Efficient PAPR Reduction Technique	2011	ICAC 2011, International Conference on Advances in Computing, Communication & Control, Organized by Fr. CRC of Engineering, Mumbai	Refereed and Indexed Journal	Accepted and Published	Achala Deshmukh
NA	Energy Efficient Multipath Routing for Wireless Sensor Networks	2011	Second International Conference on Current Trends in Technology-NUiCONE 2011, Organized by Nirma Institute of Technology, Ahmedabad, Gujarat	Conference - International level	Accepted and Published	Achala Deshmukh

NA	Cross Monopole Ultra Wide Band Antenna for Cognitive Radio Application	2012	IETE and C-DAC sponsored National Conference on Emerging Trends in Engineering, Science, Technology and Management 2012	Conference - National level	Accepted and Published	Achala Deshmukh
NA	Ultra Wide Band Wireless Antenna for Cognitive Radio Application	2012	International Conference on Recent Advances in Engineering and Technology, ICRAET 2012, Organized by Association of Scholars and Professionals, Hyderabad	Conference - International level	Accepted and Published	Achala Deshmukh
0973-6107	Performance Analysis of Cross Monopole Ultra Wide Band Wireless Antenna for Cognitive Radio Application	2012	Advances in Computational Sciences and Technology, Volume 5, Number 2 (2012), pp. 893-898	Refereed Journal	Accepted and Published	Achala Deshmukh
2277-2677	Performance of Ultra Wide Band Wireless Antenna for Cognitive Radio Application	2012	International Journal of Systems, Algorithms and Applications, Volume 2, Issue May 2012, pp. 202-208	Refereed Journal	Accepted and Published	Achala Deshmukh
2194-5357	Analysis of MIMO Channel Characteristics in Indoor Environment Using Ray Tracing Simulation	2012	Advances in Computing and Information Technology ICITY, Chennai	Refereed and Indexed Journal	Accepted and Published	Achala Deshmukh
NA	Performance Analysis of Rate Compatible Punctured Turbo Coded Hybrid ARQ for OFDM	2012	International Conference on Electrical, Electronics Engineering, Bhopal	Conference - International level	Accepted and Published	Achala Deshmukh
2248-9622	Channel Estimation for OFDM	2013	International Journal of Engineering Research and Applications (IJERA)	Refereed Journal	Accepted and Published	Achala Deshmukh
2231- 5969	Rate Compatible Punctured Turbo Coded Hybrid ARQ for OFDM	2013	International Journal of Electronics Signals and Systems, IJESS, Vol.3 No.1, Jan 2013	Refereed Journal	Accepted and Published	Achala Deshmukh

2278-1676	Comparison and analysis of PAPR reduction techniques in OFDM	2013	International Organization of Scientific Research Journal of Electronics and Communication Engineering, IOSR-JECE ISSN: 2278-1676 Vol.4, Issue 5	Refereed and Indexed Journal	Accepted and Published	Achala Deshmukh
NA	Performance Analysis of Joint Estimation of I/Q imbalance and CFO in MIMO OFDM	2013	Second International conference on Recent Trends in Engineering and Technology (ICRTET-2013), Organized by Late. Sau. Kantabai Bhavarlalji Jain College of Engineering, Chandwad, Nasik	Conference - International level	Accepted and Published	Achala Deshmukh
2320-1207	Joint Estimation of I/Q imbalance and CFO in MIMO OFDM	2013	International Journal of Global Technology Initiatives, Vol. 2, Issue 1, March 2013	Refereed Journal	Accepted and Published	Achala Deshmukh
NA	Color Face Recognition Using Gabor Wavelet and Local Binary Pattern	2013	International Conference on Emerging Intelligent Sustainable Technologies, (ICEISTCON-2013)	Conference - International level	Accepted and Published	Achala Deshmukh
NA	Evaluation of Joint Estimation of I/Q imbalance and CFO in MIMO OFDM	2013	Second International conference on Global Technology Initiatives Organized by Rizvi College of Engineering, Bandra, Mumbai, 29-30 March 2013.	Conference - International level	Accepted and Published	Achala Deshmukh
NA	DoA Estimation Algorithms for Adaptive Array Smart Antenna	2013	National Symposium on Pervasive Computing (NSPC) 2013, Organized by Dept. of E/TC, Sinhgad College of Engineering, Pune	Conference - National level	Accepted and Published	Achala Deshmukh
NA	Estimation of I/Q Imbalance in MIMO-OFDM	2013	National Symposium on Pervasive Computing (NSPC) 2013, Organized by Dept. of E/TC, Sinhgad College of Engineering, Pune.	Conference - National level	Accepted and Published	Achala Deshmukh

NA	Color Face Recognition Using Fusion and Gabor, Wavelet and Local Binary Pattern	2013	National Symposium on Pervasive Computing (NSPC) 2013, Organized by Dept. of E/TC, Sinhgad College of Engineering, Pune.	Conference - National level	Accepted and Published	Achala Deshmukh
2278-0181	Multi Directional Patch Antenna Array	2014	IJERT Vol 3, Issue 9	Journal - International level	Accepted and Published	Achala Deshmukh
2321-2705	PAPR Analysis of FFT and Wavelet OFDM System Using Clipping Technique	2014	IJRSI Vol 1 Issue VIII	Journal - International level	Accepted and Published	Achala Deshmukh
ICMRP 2014	PAPR Analysis of Wavelet OFDM	2014	ICMRP 2014	Conference-International level	Accepted and Published	Achala Deshmukh
NA	PASTA for Detection of Collision in Wireless Sensor Networks	2016	Int. Conference	Conference-International level	Accepted and Published	Achala Deshmukh
2319-8753	R3E: Reliable Reactive Routing Enhancement for WSN	2016	Vol. 5, Issue 5, May 2016	Indexed Journal	Accepted and Published	Achala Deshmukh
2319-8753	Detection of Malicious Node in Wireless Sensor Network Under Byzantine Attack	2016	Vol. 5, Issue 5, May 2016	Journal - International level	Accepted and Published	Achala Deshmukh
0974-9713	Poisson Arrivals see time averages for channel modeling in WSN	2016	CiiT International Journal, vol 8, No. 4, 2016	Journal - International level	Accepted and Published	Achala Deshmukh

Membership Details

Membership Body	Details	Duration	Level
Indian Society for Technical Education	Life member	12 Jun 2000 to	National

Post Held

Organization Name	Post	Organization Category	Appointment Status	Duration
Sinhgad College of Engineering,	Associate Professor	Self Finance Institute	Full time and Permanent	Aug 01,2007 to
Sinhgad College of Engineering	Assistant Professor	Self Finance Institute	Full time and Permanent	Aug 08,2004 to Jul 31,2007
Sinhgad College of Engineering	Lecturer	Self Finance Institute	Full time and Permanent	Jan 15,1998 to Jul 07,2004
Sou. Venutai Chavan Polytechnic	Lecturer	Sinhgad Technical Education Society	Full time and Permanent	Jul 01,1994 to Mar 15,1998

Self Contribution

Student Development Contribution(2013-2014)			
Date	Venue	Contribution	Category
01,Jul - 01,Jul	Sinhgad College of Engineering	TE (E/TC) Batch A1	Teacher Guardian
01,Jul - 01,Jul	Sinhgad College of Engineering	Communication Laboratory, E/TC Engg. Dept.	LAB INCHARGE

Student Development Contribution(2012-2013)			
Date	Venue	Contribution	Category
01,Jul - 01,Jul	Sinhgad College of Engineering,	College Examination Committee	Member of Committee
01,Jul - 01,Jul	Sinhgad College of Engineering,	Under Graduate Project Guiding and Evaluation	Project Evaluator
01,Jul - 01,Jul	Sinhgad College of Engineering,	Post graduate Project Guide and Evaluator	Project Evaluator
01,Jul - 01,Jul	Sinhgad College of Engineering,	Post graduate Seminar Coordinator	Coordinator of Seminar
01,Jul - 01,Jul	Post graduate Seminar Guide and Evaluator	Teacher Guardian for S.E. E/TC Div A Batch A1	Teacher Guardian
01,Jul - 01,Jul	Post graduate Seminar Guide and Evaluator	Communication Laboratory	LAB INCHARGE
01,Jul - 01,Jul	Post graduate Seminar Guide and Evaluator	Member Disciplinary Committee in Sinhgad Karandak	Member Disciplinary Committee in Sinhgad Karandak
01,Jul - 01,Jul	University of Pune	Paper Setter for M.E.	Paper Setter

Academic Development Contribution(2010-2011)			
Date	Venue	Contribution	Category
01,Jul - 01,Jul	Sinhgad College of Engineering	Digital Communication T.E. (E/TC)	Lab Manual Preperation in-charge
01,Jul - 01,Jul	Sinhgad College of Engineering	Optical Fiber Communication, B.E. (E/TC)	Lab Manual Preperation in-charge

Academic Development Contribution(2012-2013)			
Date	Venue	Contribution	Category
17,Jun - 22,Jun	Sinhgad Academy of Engineering, Kondhwa	Worked as Expert for subject 'Digital Communication', for Faculty training Program - T.E. (E/TC) Curriculum	Expert Session

Organizational Development Contribution(2014-2015)			
Date	Venue	Contribution	Category
20,Jul - 10,Aug	ARC Direct Second Year	Member Direct Second Year ARC of Sinhgad College of ENgineering.	Member of Committee

Declaration

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Date :10-Nov-2016

Mrs. Achala Deshmukh