K. J. Somaiya College of Engineering, Mumbai-77
(Autonomous College Affiliated to University of Mumbai)
Department of: Electronics and Telecommunication

List of PG projects 2010-12

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
1.	Adatkar Rashmi	1003001	Content Based Image Retrieval Using Feature Integration And Relevance Feedback	Image Processing	Dr.R.G.Karandikar	Internal	---	
2.	Arora Sanghamitra	1003002	Speaker Independent Isolated Word Recognition Using Stochastic Modelling	Speech Processing	Mrs.R.A.Deshpande	Internal		
3.	Badwaik Nayna	1003003	Hyperspectral Image Compression Using Discrete Wavelet Transform	Wavelet	Mrs.J.M.Kundargi	Internal		
4.	Doshi Hetal	1003004	Implementation Of Supervised Learning Technique For Text Classification	Wireless Communication	Dr.R.G.Karandikar	Internal		
5.	Dour Shweta	1003005	Recognition Of Indian Sign Languages Using Fuzzy Neural Network.	Wireless Communication	Mrs.J.M.Kundargi	Internal		
6.	Helgaonkar Shubhangi	1003006	A Dynamic Decision Model For Vertical Handoff In Heterogenous Wireless Network .	Wireless Communication	Dr.R.G.Karandikar	Internal		
7.	Joshi Pratibha	1003007	MIMO OFDM Simulation Using V-BLAST And STBC Algorithm And Comparison Between Them.	Wireless Communication	Mrs. Bharti Singh	Internal		
8.	Kantute Anita	1003008	Design Of High Performance Micro Strip Patch Antenna Array	Antenna	Mrs.J.M.Varavadekar	Internal		
9.	Kulkarni Dipak	1003010	Ultrawideband Microstrip Antenna With Dual Notched Characteristics.	Antenna	Mrs.J.M.Varavadekar	Internal		
10.	Khobragade Nandita	1003011	Practical Incentive Protocol For Vehicular Ad-Hoc Network	Wireless Communication	Mrs.Bharti Singh	Internal		
11.	Kokate Nikhil	1003012	A Unified Framework For A Multimodal Biometric System		Dr.R.G.Karandikar	Internal		

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List of PG projects 2010-12

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
12.	Mangrulkar Vaishali	1003013	Optimization Of Cluster Heads For Energy Efficient Routing In Wireless Sensor Network	Wireless Communication	Dr.R.G.Karandikar	Internal	---	
13.	Patil Rupali	1003015	Blurred Image Restoration By Blind Deconvolution	Image Processing	Dr.R.G.Karandikar	Internal		
14.	Raichana Banshri	1003016	Congestion Control For Computer Network .	Wireless Communication	Mrs. J.M. Kundargi	Internal		
15.	Shinde Jayshree	1003017	Evaluation Of Selective Cooperation Scheme For Cell Edge Users In Cellular Network.	Wireless Communication	Mrs.R.A.Deshpande	Internal		
16.	Vedpathak punam	1003018	Automatic Speech Recognition System Using Neural Network	Speech Processing	Mrs.R.A.Deshpande	Internal		

List of PG projects 2011-13

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
1.	Advirkar Rupali	1103001	Analysis & Testing Of Congestion Control In TCP	Wireless Communication	Mr.A.K.Naik	Internal	---	
2.	Archana	1103002	Performance Analysis Of IEEE 802.15 3a UWB Using Narrowband Interference Technique.	Wireless Communication	Mrs.Swati Mahajan	Internal		
3.	Barai Anupama	1103003	Copyright Protection By Digital Audio Watermarking Using Improved Spread Spectrum With Perceptual Masking.	Wireless Communication	Mrs.R.A.Deshpande	Internal		
4.	Bhave Radha	1103004	Design Of Microstrip Patch Antenna For GSM(ANTENNA)	Antenna	Mrs.J.M.Varavadekar	Internal		
5.	Bhavsar Sandhya	1103005	Dual Band Microwave Patch Antenna Arrays Using Electromagnetic Band Gap Structures	Antenna	Mrs. Bharti Singh	Internal		
6.	Bodhe Radhika	1103006	Fuzzy Based QOS Maintaince In Weather Impacted Satellite Network	Wireless Communication	Mrs. Bharti Singh	Internal		
7.	Gupta Divya	1103007	Designing Of The Cassegrain Antenna For Ka-Band Millimetre 2011-2013wavelength Polari Metric Radar(ANTENNA)	Antenna	Mrs.R.A.Deshpande	External		
8.	Hemendra Kumar Rameshchandra	1103008	Design Of Components & Palner Interconnect Using Substrate Integrated Wave Guide Technology	Antenna	Dr.R.G.Karandikar	External		
9.	Jani Khyati	1103009	Minimization Of Bit Error Rate Using Adaptive Equalizer For Multiple Wireless Channel.	Wireless Communication	Dr.R.G.Karandikar	Internal		
10.	Joshi Deepti	1103010	Recognition Of Emotion From Marathi Speech Using MFCC &DWT Algorithm.	Digital Signal Processing	Mr.M.B.Zalte	Internal		
11.	Lohana Ashish	1103011	Suppression Of Common Mode Signal Propagation Using EBG & DGS.	Antenna	Mrs.J.M.Varavadekar	External		
12.	Mhatre Pranavi	1103012	Miniaturization Of In Phase Hybrid Ring Equal Power Divider Using EBG Structure.	Antenna	Mrs.J.M.Varavadekar	Internal		
13.	Narkhede Mayur	1103013	Data Security In Cell Phones Using Key String Generation	Data Security	Dr.R.G.Karandikar	Internal		
14.	Nagori Nitin	1103014	Digital Filter For 2D Data Analysis .	Digital Signal Processing	Mr.A.K.Naik	Internal		
15.	Pandey Twisha	1103016	Microwave Based Moisture Measurement System.	Antenna	Mrs. Bharti Singh	External		
16.	Tuscando Lynette	1103017	RF Based Intruder Sensor.	RF and Antenna	Mrs.J.M.Kundargi	External		
17.	Tawde Gaurav	1103018	Optical Character Recognition For Isolated Offline Hand Written Numerals Using Wavelets.	Wavelets	Mrs.J.M.Kundargi	Internal		

List of PG projects 2012-14

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
1.	Deshpande Nikhilesh R.	1203001	High Efficiency Coding of Digital Video Data	Digital Signal Processing	Mr. Amey K.Naik	Internal	---	
2.	Godchar Ravi V.	1203002	Discrete Wavelet Transform Based Classification and analysis of three Phase Transmission Line Faults.	Digital Signal Processing	Dr.R.G. Karandikar	Internal		
3.	Jethva Chintan S.	1203003	Least Mean square algorithm based enhancement in angular accuracy for adaptive beam .	Antenna	Dr.R.G. Karandikar	Internal		
4.	Khan Naheed Aanjum Abrar Ahmed Asma Khatoon	1203004	Bandwidth enhancement of truncated microstrip antenna using defected ground structure.	Antenna	Mrs. B. A. Singh	Internal		
5.	Khare Shantanu S.	1203005	Analysis of Algorithms for Facial Recognition	Image Processing	Mr. Amey K.Naik	Internal		
6.	Khiratkar Gangotri A.	1203006	Performance analysis of modified cluster based routing protocol for AD-HOC networks .	Wireless Communication		Internal		
7.	Lokhande Prashik	1203007	Convolution encoder using reversible logic circuit.	Image Processing	Mrs. J.M.Varavdekar	Internal		
8.	Kose Shubhangi S.	1203008	Application Development for video monitoring system and motion detection system using ARM 9 Processor.	Image Processing	Mrs. J.M.Varavdekar	Internal		
9.	Majumdar Suchitra R.	1203009	Performance Enhancement of CIC Filters.	Digital Signal Processing	Mrs. J.M.Kundargi	External		
10.	Mishra Anurag Harihar Prasad Rekha	1203010	Study of various configuration of Compact and Shorted Microstrip Patch Antenna.	Antenna	Dr.R.G. Karandikar	Internal		
11.	Nadar Winifred Maria Tamil Selvi	1203011	Pattern Recognition system for Cashew Classification.	Image Processing	Mrs. J.M.Kundargi	Internal		
12.	Pandey Sushma R.	1203012	Design of corrugated substrate integrated waveguide horn antenna	Antenna	Mrs.R.A. Deshpande	External		

List of PG projects 2012-14

Total no of projects: 55 Total no of internal projects: 13 Total no of external projects: 02 Total financial assistance received: KJSCE Rs. 15,000 External agency : Rs.5,000

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
13.	Patel Kirtan B.	1203013	Comparative analysis of feature based image registration methods.	Image Processing	Mr.M.B.Zalte	Internal		
14.	Pawar Rujuta	1203014	Performance analysis of wireless sensor network using cognitive radio concept.	Wireless Communication	Mrs. S.S.Mahajan	Internal		
15.	Gaikwad Shilpa	1203015	Segment Compression Steganographic algorithm and its Evaluation for Various file Formats	Digital Signal Processing	Mr. M.B. Zalte	Internal		
16.	Suryavanshi Darshana Ramesh Shobha	1203016	Design and implementation of a compact UWB rectangular monopole antenna	Antenna	Mrs.B.A. Singh	Internal		
17.	Taley Apurva P.	1203017	Emotion Detection in shouted speech .	Speech Processing	Mrs.R.A. Deshpande	Internal		
18.	Gogi Ajinkya Chandrakant Jyoti	1203018	Performance Enhancement of CIC .	Digital Signal Processing	Mrs. J.M.Kundargi	Internal		

List of PG projects 2013-15

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
1.	Doifode Sayli Rameshwar	1303001	Region Contrast Based Salient Object Detection.	Image Processing	Mr. M.B.Zalte	Internal	---	
2.	Ghadge Tejashri Dattatray	1303002	Study And Implementation Of Baseband Frame For DBB-S2 Complaint Modem .	Wireless Communication	Mrs. Jayshree Kundargi	External		
3.	Jadhav Pallavi Mohan	1303003	Comparative Analysis Based Statistical Parameter For Arti Fact Removing Using LMS And LNMS Algorithm .	Digital Signal Processing	Mrs. Rohini Deshpande	Internal		
4.	Jain Anand Sumatilal	1303004	Automatic Number Plate Recognition Using Artificial Neural Network .	Image Processing	Jayshree Kundargi	Internal		
5.	Jain Lukesh Nemichand	1303005	Decision Based Finger Print Authentication	Digital Signal Processing	Dr. R.G. Karandikar	Internal		
6.	Mhatre Gauri Sudhir	1303006	Semantic Based Remote Sensing Image Retrieval .	Image Processing	Mr. M.B.Zalte	Internal		
7.	Muddalkar Anuja Ravindra	1303007	Analysis Of Secure And Distributed Reprogramming Protocol For Wireless Sensor Network.	Wireless Sensor Network.	Mrs. Swati Mahajan	Internal		
8.	Parandkar Supriya Nagnath	1303008	Connected Dominating Set Based Topology Control For Probabilistic Wireless Sensor Networks.	Wireless Sensor Network.	Mrs. Swati Mahajan	Internal		
9.	Patel Hitarth Narsi	1303009	Samay-Sancharak: Brailee Enabled Wrist Watch And Cell Phone For Blind People.	Wireless Communication	Mrs. Bharti Singh	Internal		Awards and prizes won 1. Finalists in power of shunya 2. 1st prize at Vidyalankar institute of technology.(Conference) 3. DNA young innovator award 4. 3M young innovator challenge award 5. I4C young innovator award
10.	Patel Madhuri Chandulal	1303010	Ethenol Sensing Properties Of BFO Thin Film Grown By PLD.	VLSI	Mrs. Ruchira Jadhav	Internal		
11.	Patel Sachin Bhola	1303011	Performance Evaluation Of Watermarking Techniques For Color Images.	Image Processing	Mr. Amey Naik	Internal		
12.	Patil Chaitanya Madhukar	1303012	Comparative Analysis Of LMS And NLMS Algorithm On ECG Signal.	Digital Signal Processing	Mrs. Rohini Deshpande	Internal		

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
13.	Patil Vaibhav Keshavrao	1303013	Fault Diagnosis Of Power Transformer Using DGA & ANFIS	Wireless Communication	Mrs. Jyoti Varavadekar	Internal		
14.	Singh Anshu Ramji	1303014	Under Water Image Dehazing using fast Guided Trigonometric bilateral filtering .	Image Processing	Dr. R.G. Karandikar	Internal		
15.	Talole Avinash Arun	1303015	Analysis Of Wavelet Based Techniques For Image Denoising	Image Processing	Mr. Amey Naik	Internal		
16.	Todkari Sayli Sharad	1303016	Development Of Ultrasonic Imaging System For Gauging And Imaging Of Tubes	Image Processing	Mrs. Sangeeta Kulkarni	Internal		
17.	Wayzade Shubhashish Suresh	1303017	Analysis Of Time Delay And Hardware Complexity For Complex Number Multiplication Using Vedic Algorithm.	Digital Signal Processing	Mrs. Jyoti Varavadekar	Internal		
18.	Yenaganti Shivakrushna Sammireddy	1303018	Performance Analysis Of Different Sensors For Ozone Gas Measurement.	Wireless Communication	Mrs. Sangeeta Kulkarni	External		

List of PG projects 2014-16

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
1.	Neha Bagul	1403001	Digital Watermarking of Still Images Using DWT-SVD	Image Processing	Dr. Ameya K. Naik	Internal	---	
2.	Bhakti Dedhia	1403002	Detection of Clock Domain Crossing Issues Using Two FLIP-FLOP Synchronizer. .	Wireless Communication	Prof. Jyoti M Varavadekar	Internal		
3.	Sarika Garibe	1403003	Montgomery Multiplier with Error Detection and Correction .	Wireless Communication	Prof. Ruchira	Internal		
4.	Mahesh Golconda	1403004	Comparative Analysis of multiplier and Multiplierless Method used to Implement FIR Filter on FPGA	Image Processing	Prof. Maruti Zalte	Internal		
5.	Chirag Kapadia	1403005	Different Peak to Average Power Ratio (PAPR) Reduction Techniques for OFDM System..	Wireless Communication	Prof. Swati Mahajan	Internal		
6.	Kalpesh Malpani	1403007	Comparative Analysis of Estimation of Carrier Frequency offset Methods in OFDM System.	Wireless Communication	Prof. Swati Mahajan	Internal		
7.	Siddhesh Nimkar	1403008	Hand gesture recognition using YCbCr and Otsu Thresholding.		Prof. Rohini Deshpande	Internal		
8.	Bipin Pandey	1403009	Multiband Microstrip Antenna for Wlan and Wimax.	Antenna	Dr. R.G. Karandikar	Internal		
9.	Chinmay Patane	1403010	Tracking Learning Detection Based Real Time Object Detection in Pre-Captured Video and Live Video.	Wireless Communication	Dr. R.G. Karandikar	Internal		
10.	Aboli Patil	1403011	A New Reversing Room Approach for Reversible Data Hiding Algorithm Before Encryption on Encrypted.	Wireless Communication	Prof. N.S Nagori	Internal		
11.	Preeti Ranaware	1403012	Detection of Arrhythmia based on Discrete Wavelet Transform using Artificial Neural Network and Support Vector Machine	Wavelet	Prof. Rohini Deshpande	Internal		

List of PG projects 2014-16

Total   no of

Sr. No.	Names of group members	Roll No.	Title of Thesis	Thrust Area / Field / Domain	Name of Guide / Co-Guide	Internal / External	Affiliation	Any award won / Paper presented / Remarks
12.	Leena Sanap	1403013	Building Redundant Data Acquisition System using IDE and PLC. WIRELESS COMMUNICATION.	PLC Wireless Communication	Prof. Bharati Singh	Internal		
13.	Roshni Santani	1403014	1. Wireless Health Monitoring System 2. Health Monitoring Systems using Wireless technology .	Wireless Communication	Prof. Jyoti Varavadekar	Internal		
14.	Monish Shah	1403015	Animal Recognition Using Cross Correlation.	Image Processing	Prof. Sangeeta Kulkarni	Internal		
15.	Shraddha Shah	1403016	RFID Based School Bus Tracking and Security System WIRELESS COMMUNICATION).	Wireless Communication	Prof. Bharati Singh	Internal		
16.	Dipesh Kumar	1403017	Energy Harvesting using Rectenna Technique and Wireless Power Transmission .	Wireless Communication	Prof.D.P. Kulkarni	Internal		
17.	Yatin Sukale	1403018	A Comparative Analysis Of Image Fusion Methods .	Image Processing	Dr. Ameya Naik	Internal		