THAKUR
TRUSTS

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THAKUR COLLEGE OF
ENGINEERING & TECHNOLOGY

Estd. 2001

M.E. Electronics and Telecommunication-Subjects Taught by Faculty

Sr No.	Name of Faculty	Designation	Subjects
1.	Dr. Lochan Jolly	Professor & Dean Student & Staff Welfare	Optical Fiber Communication, Advance Satellite Communication,Optical Networks
2.	Dr. Vinitkumar Dongre	Associate Professor & M.E. Coordinator EXTC	Micro Electro Mechanical Systems, Microwave and Millimeter wave Communication Systems, Advanced Antenna and Arrays,
3.	Mrs. Poorva Waingankar	Associate Professor & HOD Electronics Dept.	Image and Video Processing and Broadcasting
4.	Dr. Vinayak Bharadi	Associate Professor & HOD IT	Wavelets
5.	Mr. Rajesh Bansode	Associate Professor & MR	Mobile and Wireless Communications
6.	Mrs. Sandhya Save	Associate Professor & Deputy HOD Electronics	Digital Signal Processing and Applications, VLSI and Mixed Signal Circuits and System, Nano-Electronics

M.E. Electronics and Telecommunication- Subjects Taught by Faculty

Sr No.	Name of Faculty	Designation	Subjects
7.	Mr. Hemant Kasturiwale	Associate Professor & In-charge Examination	Digital Signal Processing and Applications, Adaptive Signal Processing
8.	Mr. Sanjeev Ghosh	Assistant Professor & Deputy HOD EXTC	Image and Video Processing and Broadcasting, Advanced Digital Communications, Speech Processing
9.	Ms. Jyoti Kori	Assistant Professor	Statistical Signal Analysis
10.	Mrs. Payel Shah	Assistant Professor	Advance Satellite Communication, Network Security
11.	Mrs. Sujata Kulkarni	Assistant Professor	Modeling and Simulation of Communication System, Next Generation Networks, Network Security
12.	Mr. Manoj Chavan	Assistant Professor	Statistical Signal Analysis

List of Faculty Recognized as a Teacher of the University for the M.E. Degree

Sr. No.	Name of the Faculty	Present Designation
1	Dr. B.K. Mishra	Principal
2	Dr. R. R. Sedamkar	Professor & Dean Academic
3	Dr. Lochan Jolly	Professor & Dean Student & Staff Welfare
4	Dr. Vinitkumar Dongre	Associate Professor & M.E. Coordinator EXTC
5	Dr. Bijith Marakarkandy	Associate Professor & M.E. Coordinator I.T.
6	Mrs. Madhuri K. Mavinkurve	Associate Professor & HOD EXTC
7	Mrs. Poorva G. Waingankar	Associate Professor HOD Electronics

List of Faculty Recognized as a Teacher of the University for the M.E. Degree

Sr. No.	Name of the Faculty	Present Designation
8	Mr. Rajesh Bansode	Associate Professor & MR
9	Mrs. Sandhya Save	Associate Professor & Deputy HOD Electronics
10	Mr. Hemant Kasturiwale	Associate Professor & In-charge Examination
11	Mr. Sanjeev Ghosh	Assistant Professor & Deputy HOD EXTC
12	Mrs. Payel Shah	Assistant Professor

M.E. EXTC PROJECT DETAILS

1st Batch A.Y. 2009-10

Sr. No.	Name of Candidate	Dissertation Title	Guide
1	Ms. Kalawati M Patil	Modeling and Simulation of 2-D MESFET	Dr. B. K. Mishra
2	Ms. Sinora Ghosalkar	Content Based Image retrival Using Modified BTC and Gabor Filters	
3	Ms. Suvarna S Ketkar	Speech Recognition System	
4	Mr. Irfan A Landge	Implementation of AES Encryption and Decryption Using VHDL	Ms. Poorva Waingankar
5	Ms. Sujata S Dubal	Implementation of AES for Low Bit rate Video	
6	Mr. Joshi Chandrashekhar (started project with 3rd batch)	Verification and Implementation of VLSI Logic Circuits using Graph Theory	

2nd Batch A.Y. 2010-11

Sr. No.	Name of Candidate	Project Title	Guide
1	Behra Sonia Rajesh	To Study the effect of Illumination on intrinsic parameters of HEMT and to explore its application as a optical oscillator	Dr. B.K. Mishra
2	Mane Rupali Narhari	Design and Implementation of VCO	
3	Patil Swapna M.	PLL implementation in FPGA	

M.E. EXTC PROJECT DETAILS

2nd Batch A.Y. 2010-11

Sr. No.	Name of Candidate	Project Title	Guide
4	Deshpande Archana N.	Dual Band Micro strip antenna using single stub for WLAN application	Dr. Vinitkumar Dongre
5	Rathi Sumita Hukumchandji	A cross-layer-based rate control method for distributed video coding	Dr. Vinitkumar Dongre
6	Hayagreev Geeta Sudhindra	Efficient low bit rate video compression technique for mobile application	Ms. Poorva Waingankar
7	Patil Shruti Rajesh	A Cross-Layer Communication Framework for Wireless Networked Control Systems	
8	Valsan Divya	Audio video (low bit rate) synchronization for h.264/avc standard	
9	Kaulgud Sukruti Vijay	Simulation and Implementation of Reed Solomon codec	Ms. Mrinmoyee Mukherjee
10	Bani Kavita Piyush	PAPR reduction using $\pi/4$-shifted dqpsk modulation technique	Dr. Bijith M
11	Vora Rita Anand	Retinal Scan Recognition using Wavelet Energy Entropy	
12	Rao Divya Krishnakumar	Performance analysis of channel estimation and equalization in fading channel	
13	Dube Sangita Amit (started project with 3rd batch)	Weld Image Analysis using Segmentation Techniques	Dr. R. R. Sedamkar
14	Ranade Amruta Atul	Implementation and Simulation of VCO using CMOS	Dr. B.K. Mishra

M.E. EXTC PROJECT DETAILS

2nd Batch A.Y. 2010-11

Sr. No.	Name of Candidate	Project Title	Guide
15	Mizwan Zainab (started project with 3rd batch)	Analysis of the Biomedical Signal using Independent Component Analysis (ICS)	Dr. B.K. Mishra

3rd Batch A.Y. 2011-12

Sr. No.	Name of candidate	Project Title	Guide
1	Sarode Prajakta	Hardware Implementation of an OFDM Transceiver for 802.11n System	Dr. B.K. Mishra
2	Vallakati Meena	Hyperspectral Image Compression	Dr. R. R. Sedamkar
3	Sonavane Swati	Scheme for Channel Allocation using Intelligent Agent in Mobile Communication	Dr. R. R. Sedamkar
4	Doijode Sneha	Design of Filter using Microstrip Lines	Dr. Vinitkumar Dongre
5	Gupta Megha	Design of Helical Antenna Array	Dr. Vinitkumar Dongre
6	Kanagala Rucha	Conformal Circular Array using Helical Antenna	Dr. Vinitkumar Dongre
7	Sawant Arti	Satellite Image Retrieval using Pattern and Modified Block Truncation Coding	Dr. Bijith M.
8	Pathak Neelima	Implementation of Turbo Product Codes in 802.16 Systems	Dr. B. K. Mishra
9	Korgaonkar Gitanjali	Hyperspectral Image Classification	Dr. R. R. Sedamkar

M.E. EXTC PROJECT DETAILS

3rd Batch A.Y. 2011-12

Sr. No.	Name of candidate	Project Title	Guide
10	Nair Isha	Characterization and Modeling of SiC Photoconductive Semiconductor Switches	Dr. B.K. Mishra
11	Barvey Sonal	Modified Data Hiding Technique in Compressed Video Based on Error Prediction	Poorva Waingankar
12	Gijare Vaibhav	A digital Watermarking using Discrete Wavelet Transform	Poorva Waingankar
13	Mehta Sweta	Wavelet & Curvelet Transforms Based Fusion for Medical Application	Dr. Bijith M.
14	Temrikar Aqsa	A Novel LCM Technique of PAPR Reduction in OFDM Systems	Dr. B.K. Mishra
15	Mandviwala Junaid	Satellite Image Compression using Compressive Sensing	Dr. Bijith M.
16	Thalavaroor Sonia	Two Dimensional Modeling of Back Illuminated GaAs MESFET	Dr. B.K. Mishra
17	Redkar Amit	Quick Convergecast in ZigBee Based Wireless Sensor Networks	Poorva Waingankar

4th Batch A.Y. 2012-13

Sr. No.	Name of candidate	Project Title	Guide
1	Gharat Neha Nischalkumar	Biometric Authentication using Fusion Techniques	Trushita Chaware
2	Gondhalekar Bharati Rajesh	MIMO based PAPR reduction in OFDM syetem using QPSK with Improved SLM and Turbo Codes	Dr. B. K. Mishra
3	Katkar Ashwini Sunil	Speech Recognition using Neural Network	Dr. Vinitkumar Dongre
4	Malekar Nutan Chandrakant	K-Means Clustering Approach for Multitemporal Hyperspectral Image Compression	Dr. R. R. Sedamkar
5	Mhatre Karishma Dinanath	Analysis and Implementation of optical nonlinearities in fibre for all-optical functionalities	Dr. B. K. Mishra
6	Mishra Varunkumar Brijbihari	Decoding of Turbo Product Codes using Closed-Chains Error Correction Technique	Trushita Chaware
7	Panchal Rutvi Rohit	Implementation and Optimization of Silicon Solar Cell	Dr. Lochan Jolly
8	Raut Arpita Chandan	Adaptive Super-Spatial Approach for Lossless Image Compression	Dr. R. R. Sedamkar
9	Sethi Sonia Suraj Prakash	Doppler Processing and Clutter Suppression for Surveillance Radar	Jyoti Swant

M.E. EXTC PROJECT DETAILS

4th Batch A.Y. 2012-13

Sr. No.	Name of candidate	Project Title	Guide
10	Sharma Amrita Tapankumar	Compression of Encrypted Images	Sanjeev Ghose
11	Takle Chitra Namdeo	Design & Implementation of Reconfigurable Spiral Antenna	Dr. Vinitkumar Dongre
12	Yadav Rahul Sureshchand	Design of Cavity Loaded Helical Antenna	Dr. Vinitkumar Dongre
13	Yele Vijaykumar Pandurang	Design of Cavity Loaded Spiral Antenna	Dr. Bijith M.
14	Pandey Parmatma Ramtirath	Image Denoising Using Nonlinear Filter	Dr. Bijith M.
15	Pawar Prajakta Vishnu	An Efficient Video Compression Based on Quantized Motion vector	Poorva Waingankar
16	Gupta Esha Kushal	A Comparative study of Hybrid DCT and Wavelet based Video Compression Technique	Poorva Waingankar
17	Sharma Pintu Nathulal	CFAR Detection and Graphical User Interface for Surveillance Radar	Sandhaya Save
18	Yadav Amitkurmar Brijkishore	Automated system to manage Business premises activities from remote location based on ARM-Cortex	B.A. Chidre

M.E. EXTC PROJECT DETAILS

5th Batch A.Y. 2013-14

Sr. No.	Name of candidate	Project Title	Guide
1	Khan Zarrarahmed Zaferullah	Control of Collimator for conformal Radiation therapy	Dr. B. K. Mishra
2	Karande Geeta Hemant	A QOSTBC based 8*8 MIMO-OFDM system design for reduction of PAPR using SLM technique and higher order modulation	Rajesh Bansode
3	Patil Devashree Subhash	Fast Fading Channel Estimation Based 8*8 MIMO-OFDM with PAPR Reduction using PTS for capacity improvement	Rajesh Bansode
4	Bhandari Samita Kiran	Helical Loaded Hexagonal Cavity Back Antenna For Frequency Reconfiguration	Dr. Vinitkumar Dongre
5	Bokade Urvashi Vijay	Helical Loaded Cavity Backed Antenna Using Triangular Cavity	Dr. Vinitkumar Dongre
6	Keni Anuja Prabhakar	Conformal Helical Loaded Pentagonal Cavity Backedd Antenna	Dr. Vinitkumar Dongre
7	Sayed Afreenzehra Ahmed	Effect of Multiple Access Interferance on OCDMA/ Implementation of Secured Optical Network	Dr. Lochan Jolly
8	Jain Preetam Babulal	Charecterization of an Optical Sensor for A Communication Link	Dr. B. K. Mishra
9	Jaiswal Shilpa Vinod	A Rule Based Approach To Image Retrival/ Wavelet based Image Compression	Dr. R. R. Sedamkar

5th Batch A.Y. 2013-14

Sr. No.	Name of candidate	Project Title	Guide
10	Mayekar Miheer Pradeep	Modelling LF lightning signal propogation / Development of LF lightning receiver for weather monitoring Application	Dr. Bijith M.
11	Mishra Kshama Deenanath	Simulation of Analog Circuit in MATLAB Enviorment / Performance Optimization of Power Converter For Energy Harvesting System	Sandhaya Save
12	Mohd Fahad Mohd Jameel Sayed	Collision Detection and Avoidance/ Anti collision system for radiography/ radio therapy	Dr. R. R. Sedamkar
13	Pandya Jalpaben Dalpatrai	Performance Estimation of Charge Pump Circuit In PPL	Dr. B. K. Mishra
14	Sawant Kaveri Dattatray	Energy Efficiency and Maximization of Network Lifetime in Wireless Sensor Network	Sanjive Ghose
15	Hatekar Amit Shrikant	Development of ARM Processors for signal Processing In Embedded system / Implementation H.264 Algorithm on Embedde Processor for Low Bit Rate Video	Poorva Waingankar
16	Thakur Bhushana Ganpat	FPGA Based PID Controller	Sujata Kulkarni

M.E. EXTC Project Guided By Faculty

1.	Dr. B. K. Mishra		
Sr. No.	**Name of Candidate**	**Dissertation Title**	**Batch & A.Y.**
1	Kalawati M Patil	Modeling and Simulation of 2-D MESFET	1st Batch A.Y. 2009-10
2	Sinora Ghosalkar	Content Based Image retrival Using Modified BTC and Gabor Filters	
3	Suvarna S ketkar	Speech Recognition System	
4	Behra Sonia Rajesh	To Study the effect of Illumination on intrinsic parameters of HEMT and to explore its application as a optical oscillator	2nd Batch A.Y. 2010-11
5	Mane Rupali Narhari	Design and Implementation of VCO	
6	Patil Swapna Mahendra	PLL implementation in FPGA	
7	Ranade Amruta Atul	Implementation and Simulation of VCO using CMOS	
8	Mizwan Zainab	Analysis of the Biomedical Signal using Independent Component Analysis (ICS)	
9	Sarode Prajakta	Hardware Implementation of an OFDM Transceiver for 802.11n System	3nd Batch A.Y. 2011-12
10	Pathak Neelima	Implementation of Turbo Product Codes in 802.16 Systems	
11	Nair Isha	Characterization and Modeling of SiC Photoconductive Semiconductor Switches	
12	Temrikar Aqsa	A Novel LCM Technique of PAPR Reduction in OFDM Systems	
13	Thalavaroor Sonia	Two Dimensional Modeling of Back Illuminated GaAs MESFET	
14	Mhatre Karishma Dinanath	Analysis and Implementation of optical nonlinearities in fibre for all-optical functionalities	4th Batch A.Y. 2012-13
15	Gondhalekar Bharati Rajesh	MIMO based PAPR reduction in OFDM syetem using QPSK with Improved SLM and Turbo Codes	
16	Khan Zarrarahmed Zaferullah	Control of Collimator for conformal Radiation therapy	5th Batch A.Y. 2013-14

2. Mrs. Poorva Waingankar:

Sr. No.	Name of Candidate	Dissertation Title	Batch & A.Y.
1	Irfan A Landge	Implementation of AES Encryption and Decryption Using VHDL	1st Batch A.Y- 2009-10
2	Sujata S Dubal	Implementation of AES for Low Bit rate Video	
3	Joshi Chandrashekhar	Verification and Implementation of VLSI Logic Circuits using Graph Theory	
4	Hayagreev Geeta Sudhindra	Efficient low bit rate video compression technique for mobile application	2nd Batch A.Y-2010-11
5	Patil Shruti Rajesh	A Cross-Layer Communication Framework for Wireless Networked Control Systems	
6	Valsan Divya	Audio video (low bit rate) synchronization for h.264/avc standard	
7	Barvey Sonal	Modified Data Hiding Technique in Compressed Video Based on Error Prediction	3nd Batch A.Y. 2011-12
8	Gijare Vaibhav	A digital Watermarking using Discrete Wavelet Transform	
9	Redkar Amit	Quick Convergecast in ZigBee Based Wireless Sensor Networks	

3. Dr. Vinitkumar Dongre

Sr. No.	Name of Candidate	Dissertation Title	Batch & A.Y.
1	Deshpande Archana Nilesh	Dual Band Micro strip antenna using single stub for WLAN application	2nd Batch A.Y. 2010-11
2	Rathi Sumita Hukumchandji	A cross-layer-based rate control method for distributed video coding	

3. Dr. Vinitkumar Dongre:

Sr. No.	Name of Candidate	Dissertation Title	Batch & A.Y.
3	Doijode Sneha	Design of Filter using Microstrip Lines	3rd Batch A.Y. 2011-12
4	Gupta Megha	Design of Helical Antenna Array	
5	Kanagala Rucha	Conformal Circular Array using Helical Antenna	
6	Yadav Rahul Sureshchand	Design of Cavity Loaded Helical Antenna	4th Batch A.Y. 2012-13
7	Katkar Ashwini Sunil	Speech Recognition using Neural Network	
8	Takle Chitra Namdeo	Design & Implementation of Reconfigurable Spiral Antenna	

4. Dr. Bijith Marakarkandy

Sr. No.	Name of Candidate	Dissertation Title	Batch & A.Y.
1	Bani Kavita Piyush	PAPR reduction using $\pi/4$-shifted dqpsk modulation technique	2nd Batch A.Y. 2010-11
2	Vora Rita Anand	Retinal Scan Recognition using Wavelet Energy Entropy	
3	Rao Divya Krishnakumar	Performance analysis of channel estimation and equalization in fading channel	
4	Sawant Arti	Satellite Image Retrieval using Pattern and Modified Block Truncation Coding	3rd Batch A.Y. 2011-12
5	Mehta Sweta	Wavelet & Curvelet Transforms Based Fusion for Medical Application	
6	Mandviwala Junaid	Satellite Image Compression using Compressive Sensing	
7	Yele Vijaykumar Pandurang	Design of Cavity Loaded Spiral Antenna	4th Batch A.Y. 2012-13

M.E. EXTC Project Guided By Faculty

5.	Dr. R. R. Sedamkar		
Sr. No.	**Name of Candidate**	**Dissertation Title**	**Batch & A.Y.**
1	Dube Sangita Amit	Weld Image Analysis using Segmentation Techniques	2nd Batch A.Y. 2010-11
2	Vallakati Meena	Hyperspectral Image Compression	3rd Batch A.Y. 2011-12
3	Sonavane Swati	Scheme for Channel Allocation using Intelligent Agent in Mobile Communication	
4	Korgaonkar Gitanjali	Hyperspectral Image Classification	
5	Raut Arpita Chandan	Adaptive Super-Spatial Approach for Lossless Image Compression	4th Batch A.Y. 2012-13
6	Malekar Nutan Chandrakant	K-Means Clustering Approach for Multitemporal Hyperspectral Image Compression	

6.	Dr. Lochan Jolly		
Sr. No.	**Name of Candidate**	**Dissertation Title**	**Batch & A.Y.**
1	Panchal Rutvi Rohit	Implementation and Optimization of Silicon Solar Cell	4th Batch A.Y. 2012-13

7.	Mrs. Jyoti Kori		
Sr. No.	**Name of Candidate**	**Dissertation Title**	**Batch & A.Y.**
1	Sethi Sonia Suraj	Doppler Processing and Clutter Suppression for Surveillance Radar	4th Batch A.Y. 2012-13

8.	Mr. Sanjeev Ghosh		
Sr. No.	**Name of Candidate**	**Dissertation Title**	**Batch & A.Y.**
1	Sharma Amrita Tapankumar	Compression of Encrypted Images	4th Batch A.Y. 2012-13

9. Mrs. Mrinmoyee Mukherjee

Sr. No.	Name of Candidate	Dissertation Title	Batch & A.Y.
1	Kaulgud Sukruti Vijay	Simulation and Implementation of Reed Solomon codec	2nd Batch A.Y. 2010-11

10. Mrs. Trushita Chaware

Sr. No.	Name of Candidate	Dissertation Title	Batch & A.Y.
1	Gharat Neha Nischalkumar	Biometric Authentication using Fusion Techniques	4th Batch A.Y. 2012-13
2	Mishra Varunkumar Brijbihari	Decoding of Turbo Product Codes using Closed-Chains Error Correction Technique	

11. Mr. Rajesh Bansode

Sr. No.	Name of Candidate	Dissertation Title	Batch & A.Y.
1	Karande Geeta Hemant	A QOSTBC based 8*8 MIMO-OFDM system design for reduction of PAPR using SLM technique and higher order modulation	5th Batch A.Y. 2013-14
2	Patil Devashree Subhash	Fast Fading Channel Estimation Based 8*8 MIMO-OFDM with PAPR Reduction using PTS for capacity improvement	