

EE MTP Topics - EE1

Name	MTP Topic	Faculty Advisor
R Sri Prakash	Information Centric Networking (ICN) for the Internet of Things (IoT)	Sharayu Moharir
Eswar Anudeep	Spectrum Sharing & Scheduling in Dense Cellular Networks.	Sharayu Moharir
Kalpesh Patel	Person Re-identification	Rajbabu Velmurugan
K. Sankara	ECG signal denoising and heart disease classification	Rajbabu Velmurugan
Aditya Shukla	Hardware neural networks	Udayan Ganguly
Ankit Hitesh Wala	Implementation of decentralized consensus on a network of physical and simulated quadrotors	Prof. Debraj Chakraborty
Ankit Nimbolkar	Reconfigurable Microstrip Antennas	Prof. Girish Kumar
kartik khulbe	Efficient Routing Protocols	Abhay Karandikar
Shubham Dhage	HER2 Scoring from H and E stained Images(Using Neural Network and Convolutional Neural Network)	Prof. Amit Sethi
Karen Nimmy Stephen	Activity Analysis in Videos	Prof. Rajbabu Velmurugan
Jishnu P	RF Energy Harvesting	Siddhartha P. Duttagupta
Ebin Chacko	Principle states with fiber nonlinearities	Prof. Kumar Appiah
vikas arya	Channel aging in wireless communication	prof kumar appaiah
Saptarshi Sinha	lock in thermography in image processing	Subhashis Chaudhuri
Avirup Mandal	Haptic rendering of fluid	Prof. Subhashis Chaudhuri
Ashish Sukhwani	Filter bank design in Communication	Prof. V.M. Gadre
Akash R Gowda	60 GHz mmWave Network Planning Tool and Test-bed	Prof Abhay Karandikar
Pooja Vijay Dhomse	Internet of Things and Blockchain	Prof Kumar Appaiah
Kariyappa Singadi	Generalized Nuclear Segmentation for Computational Pathology	Prof. Amit Sethi
Devdatta Kathale	Prediction using Signal Processing	Rajbabu/Sethi

EE MTP Topics - EE2

Name	MTP Topic	Faculty Advisor
Harsh Solanki	Formation and study of singularity spectrum (multifractal) using wavelets	Prof V.M Gadre
Milan Kumar Yadav	Indoor SLAM with Quadcopters	Prof Debraj Chakraborty
Nirmal R Krishnan	Numerical methods for second order systems	Prof Harish K Pillai
Thilak P	Numerical range of matrices	Prof. Harish K Pillai
Sreeraj U K	Discrete Logarithm Problem	Prof. Virendra Sule
Faizuddin Faruqui	Human in loop control of semi-autonomous trikes	Prof Debraj Chakraborty
Arvind Chauhan	Port Hamiltonian	Dr. H K Pillai
Akshay Khadse	Optimal controller design for silicon ingot cutting	Dr. S. V. Kulkarni
Anant Tukaram Pawar	Development of LabVIEW based tool for characterization of Ferromagnetic Material.	Mr. S. V . Kulkarni
Soumya Dutta	Optimization over multi agent networks	Madhu Belur
Pawan Bansode	Haptic rendering	Prof Subhashish Choudhary
JITHU KRISHNA	Semi Autonomous Battery Assisted Human Powered Tricycle	Prof. Debraj Chakraborty

EE MTP Topics - EE3

Name	MTP Topic	Faculty Advisor
Padmini V	"Techno- economic issues in implementing Smart Grids "	S.A. Khaparde
Yedida Ayyappa Rudrasimha	Hybrid Typologies of MMC	Anshuman Shukla
HARIKRISHNA METTA	PV connected to Dual Active Bridge through neutral terminal of HF transformer	Prof B.G.Fernandes
Antos C Varghese	Power system control	Prof S A Khaparde
V Sai Suresh	Model Predictive Control	Prof Mukul
Kaustav Chatterjee	Attack Resilient Wide Area Monitoring and Control of Power Grids	S A Khaparde

EE MTP Topics - EE4

Name	MTP Topic	Faculty Advisor
Akanksha yadav	LUT modeling of devices.	Prof. Maryam Shojaei Baghini
Jeffin Joy	low voltage bandgap reference circuits	Pro. Rajesh Zele
Deep Mistry [1]	Capacitance to Digital converter [2]	Maryam Shojaei Baghini [3]
Anandkrishnan R	Study of the Variability sources and NBTI in FINFETs and Circuit impact	Prof. Souvik Mahapatra
Navya Sri Garigapati	Mobility Modeling in one dimension structures	Prof.Dipankar saha
Bharadwaj	Motion artifact removal in ECG using Electrode Tissue impedance	Prof Maryam Shojaei Baghini
Damonlang Pohsnem	Low Noise Amplifier	Shalabh Gupta
Piyush Agarwal	Band Pass Filter Design	Prof. Shalabh Gupta
Denis Joseph	Carrier transport study in 2D material heterostructures	Prof. Saurabh Lodha
Anushree Bhatt	A5/1 cipher coding in Ahir assembly and understanding AJIT processor	Madhav P. Desai
Harshal Chapade	RF circuits for biomedical application	Prof. Rajesh Zele
Amjath husain	Wide band inductorless RF receiver front end design	Prof. Maryam Shojaei Baghini
Sadaf Parwaiz	Voltage Controlled Ring Oscillator	Prof Shalabh Gupta
Nidhi Singh	GP-GPU Performance Enhancement using CTA and Warp-Scheduling	Prof. Virendra Singh
Jerin Joe	Reliability of FETs and its application in digital circuits	Souvik Mahapatra
Akshaya Goyal	High Speed Serializer for 10 bits of Input Data	Dr Shalabh Gupta
Souvik Ghosh	CDR based 1:10 deserializer design	Prof. Shalabh Gupta
M.V.MANIKANTA PRASAD	PVT independent biasing circuits for rf front end	Prof. Rajesh Zele
Prachi Sahu	Verification of RTL and High-level design descriptions	Prof. Virendra Singh
Srajan Khare	Cache Memory Performance and Design Issue	Prof. Virendra Singh
Deepesh Kumar Uppal	Embedded System Design On Hybrid FPGAs	Sachin Patkar
Ankit Yadav	Neural recording systems	Prof. Maryam S. Baghini
Sourya Dewan	Low Power analog front end design for motion artifact tolerant multi-channel ECG SoC	Prof Maryam Shojaei

EE MTP Topics - EE4

Subhadeep Datta	Activity-dependent Neuromodulation SoC Development for Closed-loop Dopamine Concentration Control in Parkinson's Disease	Prof. Maryam Shojaei Baghini
SOURABH JAIN	Solar cell	Pradeep r nair
Tanmay Chavan	Neuromorphic Engineering	Prof. Udayan Ganguly
Shariq Ahmad	Peripherals of microprocessor	D.K.Sharma
Sonali Warade	Derivation of PV cleaning cycles and Soiling loss analysis	Prof. Anil Kottantharayil

EE MTP Topics - EE5

Name	MTP Topic	Project Guide
Varun Warriar	Full Duplex Serial Links for Automotive Applications	Prof. Rajesh Zele
Nagma Samreen Khan	Content based Image Retrieval of Remote sensing data	Prof. Subhasis Chaudhari
Reshma Roshan	Battery Modelling	Joseph John
Chandan M L	Simultaneous Localization and Mapping in FPGA	Sachin Patkar
Ankit Jindal	Machine Learning and its application into Verification and Validation of VLSI Circuits	Virendra Singh
Swatantara Chakraborty	Interfacing RIFFA Channel Tester with the external DDR3 SDRAM in ML605 Virtex 6 FPGA	Prof. Madhav P. Desai
Nishant Kathpal	J1 processor, a small Forth CPU and Router on chip.	Prof. Sachin Patkar
Darshit Vaghani	Not decided	Prof. Virendra Singh
Akash Jain	Design and Development of MRI (Magnetic Resonance Imaging) scanners	Prof. V. M. Gadre
VISESH G	Hardware data Prefetching for CPU's	Prof. Virendra Singh
kattam manoj kumar	Tunable filters	girish kumar
Mahesh Reddy	Implementation of LDPC Decoder for CCSDS Standards	Prof.Saravanan Vljayakumaran
Meet Haria	Scattering Wavelet Networks for Fingerprint Identification Systems	Prof. Vikram M Gadre
Vikas Marla	Development of Electroglottograph (Impedance measurement of glottis)	Prof. P. C. Pandey

Notes

[1] Responder updated this value.

[2] Responder updated this value.

[3] Responder updated this value.