

MTech Students (EE, SP, SE) Symposium

Morning Slot: 9 am – 12 pm

Afternoon Slot: 2 pm – 5 pm

Signal Processing: (Morning Slot)

Project Title: **Multimodal language learning: An analysis on human and machine performance.**

Student: **Kiran Praveen T.**

Guide: **Dr. Sriram Ganapathy.**

Project Title: **Emotion recognition from speech.**

Student: **Yashna Daolagupu.**

Guide: **Prof. A G Ramakrishnan.**

Project Title: **Automatic syllable stress detection using ASR for pronunciation evaluation.**

Student: **R Manoj Kumar.**

Guide: **Dr. Prasanta kumar Ghosh.**

Project Title: **Signal reconstruction from partial measurements.**

Student: **Vinith Kishore.**

Guide: **Dr. Chandra Sekhar Seelamantula.**

Signal Processing: (Afternoon Slot)

Project Title: **On the optimality of certain coded caching schemes with and without error correction.**

Student: **Vijith Bhargav.**

Guide: **Prof. B Sundar Rajan.**

Project Title: **Quality Assessment of omnidirectional videos.**

Student: **Jyotirmoy Das.**

Guide: **Dr. Rajiv Soundararajan.**

Project Title: **Optimal subarray design for adaptive jammer suppression in phased array radar.**

Student: **Elayaperumal.**

Guide: **Prof. KVS Hari.**

Project Title: **Bandit algorithms for effective recommendations.**

Student: **Varun Krishna.**

Guide: **Dr. Aditya Gopalan.**

Systems Engineering: (Morning Slot)

Project Title: **Sequence Modelling in Speaker and Language Recognition.**

Student: **Anand Mohan.**

Guide: **Dr. Sriram Ganapathy.**

Project Title: **Study on Heart rate estimation from facial video.**

Student: **Vishay Raina.**

Guide: **Dr. Prasanta kumar Ghosh.**

Project Title: **Active Learning with Siamese Twins network for Sequence Tagging.**

Student: **Rishi Hazra.**

Guide: **Dr. Ambedkar Dukkipati.**

Project Title: **Speech Emotion Recognition with Neural Networks.**

Student: **Sanju C Sudhakaran.**

Guide: **Prof. A G Ramakrishnan.**

Project Title: **Adaptive Traffic Signal Control using Multi Agent Reinforcement learning.**

Student: **Sonu Dixit.**

Guide: **Prof. Shalabh Bhatnagar.**

Project Title: **LM aware and Speaker adaptive training for end-to-end ASR.**

Student: **Shubham bansal.**

Guide: **Dr. Sriram Ganapathy.**

Project Title: **Convolutional FirmNet with Application to Solving Inverse Problems.**

Student: **Prakash Kumar Uttam.**

Guide: **Dr. Chandra Sekhar Seelamantula.**

Project Title: **Off-Policy Imitation Learning.**

Student: **Sayambhu Sen.**

Guide: **Prof. Shalabh Bhatnagar.**

Project Title: **Open Knowledge Graph Embeddings.**

Student: **Swapnil Gupta.**

Guide: **Dr. Partha Talukdar.**

Systems Engineering: (Afternoon Slot)

Project Title: **Deep Semi-Supervised and Transfer Learning for emotion recognition from text.**

Student: **Chaikesh Chouragade.**

Guide: **Dr. V Susheela Devi.**

Project Title: **Adversarial Attacks in Deep Convolutional Neural Networks.**

Student: **Rajvardhan Singh Ravat.**

Guide: **Dr. Yashaswi Verma.**

Project Title: **Discriminative Encoder for Visual and Language Domain Adaptation.**

Student: **Sourabh Balgi.**

Guide: **Dr. Ambedkar Dukkipati.**

Project Title: **Real Time Indian Sign Language Recognition.**

Student: **Neel Kamal Bhagat.**

Guide: **Dr. G N Rathna.**

Project Title: **Facial Emotion Recognition.**

Student: **Souvik Karmakar.**

Guide: **Prof. A G Ramakrishnan.**

Project Title: **Active Learning Methods for End to End Speech Recognition.**

Student: **Karan Malhotra.**

Guide: **Dr. Sriram Ganapathy.**

Project Title: **A Learning Approach for Wavelet Design.**

Student: **Abhishek Kumar.**

Guide: **Dr. Chandra Sekhar Seelamantula.**

Project Title: **Byte Pair Encoding based Automatic Tamil Speech Recognition.**

Student: **Thiruvavinan R S.**

Guide: **Prof. A G Ramakrishnan.**

Power Engineering: (Morning slot)

Project Title: **Estimation of Ozone Generation in DBD Plasma using Response Surface Methodology and Fuzzy Logic Models.**

Student: **Nishanth Katam.**

Guide: **Prof. Rajanikanth B S.**

Project Title: **Design and Development of an Electromagnetic Launcher Using Coilgun Technology.**

Student: **Chiranjeev Singh Sirola.**

Guide: **Dr. Joy Thomas M.**

Project Title: **Evaluation of the stroke current distribution in the aircraft using the wire-mesh model.**

Student: **Kratitva Khendelwal.**

Guide: **Prof. Udaya Kumar.**

Project Title: **Real-time simulation and Power electronic based emulation for power system studies.**

Student: **Siri Subrahmanyam Vadlamani.**

Guide: **Prof. G Narayanan.**

Project Title: **Overcurrent protection feature in smart energy meter.**

Student: **Siva AK.**

Guide: **Dr. Sarasij Das.**

Project Title: **Design and development of pulsed power-based facility for liquid food sterilization.**

Student: **Midhun MK.**

Guide: **Dr. Joy Thomas M.**

Project Title: **Coordination of Over Current Relays without Communication in Distribution System with DG using Curve Fitting.**

Student: **Abhishek Gowtham.**

Guide: **Dr. Jayachandra Shenoy U**

Project Title: **STUDIES ON FIBRE REINFORCED PLASTIC (FRP) RODS USED IN HIGH VOLTAGE COMPOSITE INSULATORS.**

Student: **Lieutenant Colonel Manoj Negi.**

Guide: **Dr. Subba Reddy B.**

Project Title: **Vibration studies on and Active Magnetic Bearings for a High-Speed Switched Reluctance Machine.**

Student: **Sakshi.**

Guide: **Prof. G Narayanan.**

Project Title: **Development HFAC Distribution system for Satellite Applications.**

Student: **Deekshith V Prabhu.**

Guide: **Dr. Kaushik Basu.**

Project Title: **Development of IGBT based fault creator and interlock logics for Generalised substation.**

Student: **Rajesh K B.**

Guide: **Dr. Gurunath Gurrala.**

Project Title: **Wireless Power Transfer.**

Student: **Sheenu.**

Guide: **Dr. Kaushik Basu.**

Power Engineering: (Afternoon slot)

Project Title: **Privacy in Event-Triggered Networked Control System: an observability perspective.**

Student: **Vipul Kumar Sharma.**

Guide: **Dr. Pavankumar Tallapragada.**

Project Title: **Intelligent Merging Unit for Substation Protection as per IEC 61850 Standard.**

Student: **Sairam Gurubelli.**

Guide: **Dr. Sarasij Das.**

Project Title: **Fault indicator for distribution system with distributed generators.**

Student: **Deepak Aggarwal.**

Guide: **Dr. Sarasij Das.**

Project Title: **Studies on high temperature low sag conductors.**

Student: **Major Gaurav Mitra.**

Guide: **Dr. Subba Reddy B.**

Project Title: **Indirect measurement of series capacitance of transformer winding from measured frequency response.**

Student: **Nikhil Bharadwaj.**

Guide: **Prof. Satish L.**

Project Title: **Finite Element Analysis of Switched Reluctance Machine.**

Student: **Sudheer Patlegar.**

Guide: **Prof. G Narayanan.**

Project Title: **LLC converter-based Battery Charging using Solar/Grid Power.**

Student: **Shashawath Kumara Kedhlaya.**

Guide: **Dr. Vinod John.**

Project Title: **Current and Voltage Control of Buck-boost PV Characterization System.**

Student: **Payal Mishra.**

Guide: **Dr. Vinod John.**

Project Title: **Operation and secondary control of microgrid connected diesel generator.**

Student: **Rajesh Kumar Nayak.**

Guide: **Dr. Vinod John.**

Project Title: **Small Signal stability analysis of Microgrid.**

Student: **Bhushan Jogdande.**

Guide: **Dr. Gurunath Gurrala.**

Project Title: **Electrical load emulation using power converter.**

Student: **Satish Meena.**

Guide: **Dr. Gurunath Gurrala.**

Project Title: **Particle in Cell Method for Certain Electrostatic Applications.**

Student: **Oruganti Bala Gopal.**

Guide: **Prof. Udaya Kumar.**
