M-Tech MATLAB IEEE (2012-2013) Projects List

SET-700. Power Upgrading of Transmission Line by Combining AC/DC Transmission

SET-701.A Parallel-Connected Single Phase Power Factor Correction Approach with Improved Efficiency

SET-702. Impact of Reactive Power in Power Evacuation from Wind Turbines

SET-703.A Novel Three-Phase to Five-Phase Transformation Using a Special Transformer Connection

SET-704.A NEW CONCEPT OF MULTILEVEL STATCOM BASED ON CASCADE TOPOLOGY

SET-705. Direct Torque Control of 5-phase 10/8 Switched Reluctance Motor by Using Fuzzy Method

SET-706.A THREE-PHASTEH REE-SWITCTHW O-LEVEPLW M RECTIFIER

SET-707.Direct Torque Control of a Three Phase Induction Motor using a Hybrid PI/Fuzzy Controller

SET-708.Analysis and Implement of Thyristor-based STATCOM

SET-709.Reduced Rating VSCWith a Zig-Zag Transformer for Current Compensation in a Three-Phase Four-Wire Distribution System

SET-710.MATLAB Based Simulation of TCSC FACTS Controller

SET-711.Direct Torque Control of Induction Motor Using Space Vector Modulation (SVM-DTC)

SET-712.Eighteen-Pulse AC-DC Converter for Harmonic Mitigation in Vector Controlled Induction Motor Drives

SET-713.SVPWM over modulation Scheme of Three-Level Inverters for Vector Controlled Induction Motor Drives

SET-714.Space Vectors Modulation for Nine-Switch Converters

SET-715.Modeling and Simulation of BLDC motor in Electric Power Steering

SET-716.A Novel Method of Load Compensation under Unbalanced and Distorted Voltages

SET-717.DTC-SVM Scheme for Induction Motors Fed with a Three-level Inverter

SET-718.A fuzzy logic controller for synchronous machine

SET-719.Power Quality Analysis of Traction Supply Systems with High Speed Train

SET-720.A Versatile Control Scheme for a Dynamic Voltage Restorer for Power-Quality Improvement

SET-721.Enhancement of Power Quality in Distribution System Using D-STATCOM

SET-722.Speed Control of Separately Excited DC Motor

SET-723.Novel Soft-Switching Inverter for Brushless DC Motor Variable Speed Drive System

SET-724.Fuzzy logic based control of variable speed induction machine wind generation system

SET-725.A Dynamic Voltage Restorer Equipped With a High-Frequency Isolated DC–DC Converter

SET-726.Nine level Cascaded H-bridge Multilevel DC-Link Inverter

SET-727.Modeling and Experimental Validation of a Fault Mitigation Method in Induction Motor-Drive Systems Using a Magnetic Equivalent Circuit

SET-728.A Model of the Static Synchronous Series Compensator for the Real Time Digital Simulator

SET-729.A STATCOM-Control Scheme for Grid Connected Wind Energy System for Power Quality Improvement

SET-730.A New Topology for Unipolar Brushless DC Motor Drive with High Power Factor

SET-731.Capacitor Balance Issues of the Diode-Clamped Multilevel Inverter Operated in a Quasi Two-State Mode

SET-732.Brushless DC Motor Control Using Digital PWM Techniques

SET-733.Utilize Distributed Power Flow Controller (DPFC) to Compensate Unbalanced 3-phase Currents in Transmissions Systems

SET-734.Fuzzy Logic Based UPFC Controller for Damping Low Frequency Oscillations of Power Systems

SET-735.Analysis and Reduction of Time Harmonic Rotor Loss in Solid-Rotor Synchronous Reluctance DrivePower Systems

SET-736.A VSC-HVDC Fuzzy Controller for Improving the Stability of ACDC Power System

SET-737.MATLAB Simulink Implementation for Reducing

SET-738.A FACTS Device Distributed Power-Flow Controller (DPFC).MATLAB Simulink Implementation for Reducing

SET-739.Power Factor Correction Using a Series Active Filter

SET-740.Speed control of dc motor using combined armature and field control

SET-741.Voltage Flicker Compensation using STATCOM

SET-742.Sensitive Loads Voltage Improvement Using Dynamic Voltage Restorer

SET-743.Sensor less speed estimation of induction motor in a direct torque control system

SET-744.Design and implementation of a shunt active power filter with reduced dc link voltage

SET-745.Simulation of a Space Vector PWM Controller for a Three-Level Voltage-Fed Inverter Motor Drive

SET-746.Matrix Converter-Based Unified Power-Flow Controllers Advanced Direct Power Control Method

SET-747.Z – Source Inverter Based Permanent Magnet Brushless DC Motor Drive