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-PHASE EEL REE-SWITCHTHW 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 Drive Power Systems

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

SET-737. 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