

ONGOING PROJECTS

(Academic year 2016-2017)

Ongoing M.Tech. Projects :-

1. HIGH FREQUENCY HIGH EFFICIENCY BIDIRECTIONAL DC-DC CONVERTER MODULE DESIGN FOR SOLID STATE TRANSFORMER, DATTATRAYA H NAGARAJ, (GUIDE: Dr. ASHOK S)
2. DESIGN AND DEVELOPMENT OF A PHASOR MEASUREMENT UNIT, ADNAN MOHEMMED (GUIDE: Dr. ASHOK S)
3. PICK AND PLACE ROBOT USING CENTRE OF GRAVITY OF THE MOVING OBJECT, ROSHNI N (GUIDE: Dr. T.K SUNIL KUMAR)
4. IMAGE PROCESSING SYSTEM FOR QUALITY CONTROL AND PALLETIZATION APPLICATION, VED PRAKASH PATHAK (GUIDE: Dr. T.K SUNIL KUMAR)
5. DESIGN AND DEVELOPMENT OF CONTROLLER FOR TORQUE RIPPLE MINIMIZATION IN SWITCHED RELUCTANCE MOTOR, SEEMA KUMARI (GUIDE: Dr. ASHOK S)
6. DESIGN AND IMPLEMENTATION OF SAFE CLOSE PROXIMITY AND ACTIVE COMPLIANCE STRUCTURE FOR INDUSTRIAL ROBOTS, CHAITANYA GAJBHIYE (GUIDE: Dr. ASHOK S)
7. DEEP LEARNING IN IMAGE PROCESSING AND PATH OPTIMAZATION FOR ARM ROBOT, ABHIJITH V K (GUIDE: Dr. KUMARAVEL S)
8. STABILIZATION AND CONTROL OF A BASE USING STEWART PLATFORM MODEL, PUSPENDU BISWAS (GUIDE: Dr. NANDAKUMAR M. P.)

9. IMPLEMENTATION OF NOVEL CONTROL STRATEGY FOR DUAL INPUT BRIDGE TYPE DC/DC CONVERTER, GEETHU S DAS (GUIDE: Dr. KUMARAVEL S)
10. IMPROVEMENT OF PERFORMANCE OF UNDER LOADED INDUCTION MOTOR USING BIDIRECTIONAL CONVERTER AND ENERGY STORAGE SYSTEM, GOKUL KRISHNAN K,(GUIDE: Dr. ASHOK S)
11. MODELLING AND CONTROL OF TWO COUPLED TANK SYSTEM USING FPGA, RAMIGANI LAVAKUMAR R (GUIDE: Dr. M V VAIDYAN)
12. DEVELOPMENT OF ARDUINO BASED CONTROLLER FOR PROSTHETIC LIMB, GAURAV BINDAL (GUIDE: Dr. SIVANANDAN K S)
13. MISO DC/DC CONVERTER TOPOLOGY FOR RENEWABLE ENERGY, TAPAN VASANTKUMAR VANEKAR (GUIDE: Dr. KUMARAVEL S)

Ongoing Industry Internship Projects

1. IOT BASED SCADA DATA ANALYTICS, SIDDHARTH VAISH, ABB BANGALORE (GUIDE: Dr. ASHOK S)
2. SELECTION AND VALIDATION OF SWITCHING TOPOLOGY FOR PMSM-DRIVE THROUGH HIL SIMULATION, ANOOP JOHN, ROBERT BOSCH COIMBATORE (GUIDE: Dr. ASHOK S)
3. EFFICIENT METHOD FOR FUNCTIONAL TESTING OF DISTRIBUTED CONTROL SYSTEM, ADITI C, ABB BANGALORE (GUIDE: Dr. ASHOK S)
4. SECURE DECENTRALIZED COMPUTING OF INDUSTRIAL DEVICES, ARJUN K, ABB BANGALORE (GUIDE: Dr. ASHOK S)
5. TRAFFIC ANALYSIS OF SUBSTATION AUTOMATION NETWORK, SILPA K S (GUIDE: Dr. ASHOK S)