



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution

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Real Time Projects

A.Y:2018-19

S.No	Regd.No	Project Title
1	16765A0213	Arduino based Home Automation using TV Remote
	15761A0215	
	16765A0224	
2	15761A0283	Solar Smart Inverter
	15761A0218	
	15761A0269	
3	16765A0225	Implementation of Photovoltaic Integrated Unified Power Conditioner for Power Quality Enhancement
	15761A0264	
	15761A0229	
4	15761A0284	IoT Based Monitoring and Control system for Public Street Lighting
	15761A0217	
	15761A0296	
5	15761A0271	IoT based Border Monitoring and Controlling using Raspberry Pi
	15761A0232	
	15761A0257	
6	15761A0230	Robotic Arm using Arduino
	16765A0218	
	15761A02A2	
7	15761A0265	Non inverting Buck-Boost Derived Hybrid converter
	15761A0222	
	15761A0211	
8	15761A0204	Intelligent Controller based MPPT method for the Photovoltaic Power System
	16765A0215	
	15761A0233	
9	15761A0241	Modelling of Switched Reluctance motor drive based on ANSYS Simplorer
	16765A0219	
	15761A0295	
10	15761A0235	Smart irrigation system using IOT
	15761A0289	
	15761A0231	
11	16765A0217	Implementation and Practical Evaluation of an Automatic Solar Tracking system for Different weather conditions
	15761A0250	
	15761A0272	
12	15761A0297	Efficient design of a portable weather station
	15761A0246	
	15761A0227	
13	15761A0228	Home Automation Using Arm 7 Microcontroller
	15761A0242	
	16765A0230	
14	15761A0253	A Novel Structure for Single-Switch Non-Isolated Transformerless Buck-Boost DC-DC Converter
	15761A0243	
	16765A0228	

S.No	Regd.No	Project Title
15	15761A0249	Mitigation of Power Quality problems using UPQC
	16765A0214	
	16765A0221	
16	16765A0202	Identification of Underground Cable Fault Location and Development based on IoT
	16765A0201	
	15761A0254	
17	15761A0288	Tracking of Moving Objects using IoT
	16765A0220	
	15761A0293	
18	15761A0266	Impact of Wind/Solar Integration on Frequency Control in Two-Area Power System
	15761A0209	
	16765A0204	
19	15761A0299	Obstacle Avoiding Robot
	16765A0209	
	16765A0210	
20	15761A0273	Single-Phase Inverter with Energy Buffer and DC-DC Conversion Circuits
	15761A0262	
	15761A0294	
21	16765A0227	Implementation and Practical Evaluation of an Automatic Solar Tracking System for Different Weather Conditions
	16765A0207	
	15761A0261	
22	15761A0225	IoT based Smart Energy Meter
	16765A0203	
	15761A0223	
23	15761A0282	Grid Connected PV-Wind-Battery Based Multi Input Transformer Coupled Bidirectional DC-DC Converter for Household Applications
	15761A0280	
	15761A0221	
24	15761A0234	Energy Management and Control System for Laboratory Scale for Microgrid based wind-PV Batteries
	15761A0278	
	15761A0245	
25	15761A0256	A Seven Level Cascaded H-Bridge Inverter Topology with Reduced Sources
	15761A0240	
	15761A0275	
26	15761A0281	Design and Implementation of a Novel Multilevel DC-AC Inverter
	15761A0216	
	15761A0220	
27	15761A0276	Smart Solar Tracking System for Optimal Power Generation
	15761A0251	
	15761A0248	
28	15761A0263	Modelling and Simulation of the Hybrid system PV-Wind with MATLAB/SIMULINK
	15761A0237	
	15761A0287	
29	15761A0202	Speed Control of BLDC Motor by Closed Loop Current Controlling Techniques
	15761A0238	
	15761A0206	
30	15761A0258	A Stand-Alone Hybrid Generation System Combining Solar Photovoltaic and Wind Turbine with Simple Maximum Power Point Tracking Control
	15761A0247	
	16765A0208	

S.No	Regd.No	Project Title
31	16765A0222	Design and Electromagnetic Analysis of Induction motor for Electric vehicles used in Traction application
	15761A0292	
	15761A0226	
32	15761A0208	Solar Smart Converter
	15761A0210	
	16765A0206	
33	15761A0270	Islanding and Power Quality Disturbance Detection in Grid-Connected Hybrid Power System Using Wavelet and S-Transform
	15761A0201	
	15761A0259	
34	15761A0267	Smart garbage monitoring system using IoT
	15761A0236	
	14761A0207	
35	15761A0252	An Adjustable Speed PFC Bridgeless Buck-Boost Converter- Fed BLDC Motor Drive
	16765A0211	
	15761A0205	
36	15761A02A1	Efficient Power point Tracking for a Distributed PV system under Rapidly Changing Environment Conditions
	16765A0205	
	14761A0222	
37	16765A0229	Improved Performance of Noval Bridge type Dual input DC-DC Converter
	15761A0274	
	15761A0203	
38	16765A0231	Simple Design and Implementation of Solar Tracking System- Two Axis with Four Sensors
	15761A02A0	
	15761A0239	
39	15761A0286	Ride-Through Capability Enhancement of VSC-HVDC Based Wind Farms Using Low Speed Flywheel Energy Storage System
	14761A0242	
	15761A0255	
40	16765A0212	PSO based MPPT controller
	16765A0216	
	15761A0268	
41	16765A0223	An improved IUPQC controller to provide additional grid voltage regulation as a STATCOM
	15761A0260	
	15761A0285	
42	16765A0226	Islanding and Power Quality Disturbance Detection in Grid-Connected Hybrid Power System Using Wavelet
	15761A0244	
	15761A0207	