



**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)**

L.B. Reddy Nagar :: Mylavaram-521 230 :: Krishna Dist. :: A.P

Approved by AICTE, New Delhi. Affiliated to JNTUK, Kakinada

| S.No | Batch No. | Regd. No.  | Project Title  | Recommendations of the Examiner<br>Excellent / Very Good / Satisfactory / Unsatisfactory |
|------|-----------|------------|--|--|
| 1    | 1         | 17761A0215 | Home automation and regulation using IOT   |  |
| 2    |           | 17761A0256 |  |  |
| 3    |           | 18765A0206 |  |  |
| 4    | 2         | 17761A0254 | Solar forecasting using Deep learning algorithms   |  |
| 5    |           | 17761A0241 |  |  |
| 6    |           | 17761A0238 |  |  |
| 7    | 3         | 17761A0252 | Design & Implementation of Microcontroller Based Stepper Motor Control in Real-time Using Proteus and Keil |  |
| 8    |           | 17761A0234 |  |  |
| 9    |           | 17761A0222 |  |  |
| 10   | 4         | 17761A0229 | Substation Monitoring and Control based on Microcontroller Using IOT                                       |  |
| 11   |           | 17761A0248 |  |  |
| 12   |           | 18765A0212 |  |  |
| 13   | 5         | 17761A0211 | Reduction of power quality issues in hybrid ac/dc micro grid system  |  |
| 14   |           | 17761A0237 |  |  |
| 15   |           | 17761A0217 |  |  |
| 16   | 6         | 17761A0228 | Fault Diagnosis of Industrial Monitoring and Controlling System  |  |
| 17   |           | 17761A0227 |  |  |
| 18   |           | 17761A0204 |  |  |
| 19   | 7         | 17761A0205 | Identification of power theft using arduino, gsm, gps  |  |
| 20   |           | 17761A0232 |  |  |
| 21   |           | 18765A0204 |  |  |
| 22   | 8         | 17761A0231 | Advanced GPS based solar tracking  |  |
| 23   |           | 17761A0207 |  |  |
| 24   |           | 17761A0203 |  |  |
| 25   | 9         | 17761A0218 | IOT based Autonomous solar grass cutter  |  |
| 26   |           | 17761A0242 |  |  |
| 27   |           | 17761A0246 |  |  |
| 28   | 10        | 17761A0224 | Detection of shading and abnormal conditions in a photovoltaic array using fuzzy logic controller          |  |
| 29   |           | 18765A0207 |  |  |
| 30   |           | 17761A0223 |  |  |
| 31   | 11        | 17761A0220 | Smart Irrigation system and rainfall roofing system using IOT  |  |
| 32   |           | 17761A0235 |  |  |
| 33   |           | 17761A0251 |  |  |
| 34   | 12        | 17761A0208 | Interconnection of Renewable Energy Sources and Control in Railway Micro                                   |  |
| 35   |           | 18765A0209 |  |  |

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|-------------|------------------|------------------|--|---|
| 36          |                  | 17761A0257       | grid   |   |
| 37          | 13               | Regd.No.         | IOT monitored brushless dc motor speed control using arduino   |   |
| 38          |                  | 17761A0206       |  |   |
| 39          |                  | 18765A0208       |  |   |
| 40          | 14               | 17761A0243       | Low Frequency Oscillations Damping by Design of power system stabilizer using intelligent controllers  |   |
| 41          |                  | 17761A0219       |  |   |
| 42          |                  | 18765A0203       |  |   |
| 43          | 15               | 17761A0201       | Over voltage and under voltage protection with GSM alert using microcontroller   |   |
| 44          |                  | 17761A0221       |  |   |
| 45          |                  | 18765A0211       |  |   |
| 46          | 16               | 17761A0233       | MEMS based piezoelectric energy harvesting systems   |   |
| 47          |                  | 17761A0226       |  |   |
| 48          |                  | 17761A0245       |  |   |
| 49          | 17               | 18765A0210       | Islanding detection of grid connected photovoltaic system through P&O mppt algorithm   |   |
| 50          |                  | 18765A0205       |  |   |
| 51          |                  | 17761A0240       |  |   |
| 52          | 18               | 17761A0236       | Automatic irrigation control system using gsm module & solar panel   |   |
| 53          |                  | 18765A0213       |  |   |
| 54          |                  | 18765A0214       |  |   |
| 55          | 19               | 17761A0230       | Cuk Converter Based BLDC Motor For Water Pumping System Using Solar Energy Source  |   |
| 56          |                  | 17761A0210       |  |   |
| 57          |                  | 17761A0225       |  |   |
| 58          | 20               | 17761A0209       | Assessment of alternative design techniques for optimal solar panel with enhanced cell efficiency  |   |
| 59          |                  | 18765A0202       |  |   |
| 60          |                  | 17761A0258       |  |   |
| 61          | 21               | 17761A0253       | An Overview and Comprehensive Comparative Evaluation of Constant-Frequency Voltage Buck Control Methods for Series Resonant DC-DC Converters |   |
| 62          |                  | 17761A0212       |  |   |
| 63          |                  | 18765A0215       |  |   |
| 64          |                  | 17761A0247       |  |   |
| 65          | 22               | 17761A0202       | Touch voice and gesture controlled smart wheel chair   |   |
| 66          |                  | 17761A0249       |  |   |
| 67          |                  | 17761A0214       |  |   |
| 68          |                  | 18765A0201       |  |   |

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|----|----|------------|--|--|
| 1  | 23 | 17761A0259 | Smart Home Automation System Using IoT   |  |
| 2  |    | 17761A0277 |  |  |
| 3  |    | 17761A0276 |  |  |
| 4  | 24 | 17761A0270 | A Three Phase Four-wire Grid Connected SPV system using Fuzzy logic with Adaptive dc link voltage for CPI voltage variations     |  |
| 5  |    | 17761A02A1 |  |  |
| 6  |    | 17761A0269 |  |  |
| 7  | 25 | 18765A0222 | Soft start of single phase IMC using SCR   |  |
| 8  |    | 17761A0266 |  |  |
| 9  |    | 17761A0263 |  |  |
| 10 | 26 | 17761A02A8 | Performance comparison of different MPPT algorithms for PV panel connected to grid in Typhoon Hil.                               |  |
| 11 |    | 17761A02B0 |  |  |
| 12 |    | 17761A0260 |  |  |
| 13 | 27 | 17761A0294 | Automatic Digital payment based Petrol Filling Station Using Raspberry pi  |  |
| 14 |    | 18765A0218 |  |  |
| 15 |    | 17761A0279 |  |  |
| 16 | 28 | 17761A0287 | Implementation of smart car for accident and theft detection using IOT   |  |
| 17 |    | 17761A0273 |  |  |
| 18 |    | 17761A0298 |  |  |
| 19 | 29 | 17761A02B3 | Faults detection using artificial neural network techniques in the photovoltaic array under normal and partial shaded conditions |  |
| 20 |    | 18765A0221 |  |  |
| 21 |    | 17761A0264 |  |  |
| 22 | 30 | 17761A02A4 | IOT circuit breaker project using esp8266 and atmega328  |  |
| 23 |    | 17761A0268 |  |  |
| 24 |    | 17761A02A0 |  |  |
| 25 | 31 | 17761A0299 | Asymmetric multilevel inverter topology for 13 level module(k-type)  |  |
| 26 |    | 18765A0224 |  |  |
| 27 |    | 17761A0271 |  |  |
| 28 | 32 | 17761A02A9 | Aurdino based automatic agricultural support system  |  |
| 29 |    | 17761A0267 |  |  |
| 30 |    | 17761A0272 |  |  |
| 31 | 33 | 18765A0220 | DC-DC converter topologies for electric vehicles   |  |
| 32 |    | 18765A0228 |  |  |
| 33 |    | 17761A0295 |  |  |
| 34 | 34 | 17761A02A2 | Advanced shopping trolley system for automated billing using rfid  |  |
| 35 |    | 17761A02B1 |  |  |
| 36 |    | 17761A0291 |  |  |
| 37 | 35 | 18765A0227 | Design and implementation of microcontroller based speed control of BLDC motor using keil's and proteus software                 |  |
| 38 |    | 17761A0292 |  |  |
| 39 |    | 17761A0283 |  |  |
| 40 | 36 | 17761A02A5 | Implementation of iot based air and  |  |

|    |    |            |   |  |
|----|----|------------|---|--|
| 41 |    | 17761A02A7 | sound pollution monitoring system   |  |
| 42 |    | 17761A0285 |   |  |
| 43 | 37 | 17761A0280 | Development of power balancing system in hybrid micro grid  |  |
| 44 |    | 18765A0229 |   |  |
| 45 |    | 17761A0286 |   |  |
| 46 | 38 | 17761A02B2 | wind power forecasting using deep learning  |  |
| 47 |    | 18765A0219 |   |  |
| 48 |    | 17761A0290 |   |  |
| 49 | 39 | 18765A0217 | Anti-Islanding detection method using phase shifted feed-forward voltage                                  |  |
| 50 |    | 17761A02A6 |   |  |
| 51 |    | 17761A0284 |   |  |
| 52 | 40 | 17761A0261 | design and implementation of automatic power supply from three different sources by using microcontroller |  |
| 53 |    | 17761A0293 |   |  |
| 54 |    | 18765A0225 |   |  |
| 55 | 41 | 18765A0226 | Dual axis solar tracker with weather sensor   |  |
| 56 |    | 17761A02B5 |   |  |
| 57 |    | 17761A02A3 |   |  |
| 58 | 42 | 18765A0223 | A Bidirectional Battery Charger for Electric Vehicle  |  |
| 59 |    | 17761A0297 |   |  |
| 60 |    | 17761A0282 |   |  |
| 61 | 43 | 17761A0274 | IOT based SMART MIRROR  |  |
| 62 |    | 17761A0296 |   |  |
| 63 |    | 18765A0216 |   |  |
| 64 |    | 17761A0265 |   |  |
| 65 | 44 | 17761A02B4 | Implementation of Quasi Z source inverter for solar power applications                                    |  |
| 66 |    | 17761A0278 |   |  |
| 67 |    | 17761A0262 |   |  |
| 68 |    | 17761A0281 |   |  |