



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(An Autonomous Institution Since 2010)

Approved by AICTE, New Delhi and Permanently Affiliated to JNTUK, Kakinada
Accredited by NAAC with Grade 'A' & ISO: 21001:2018, 50001:2018, 14001:2015 certified

Department of Electrical and Electronics Engineering

Accredited by NBA under Tier-I

B.Tech. Projects

Branch: **EEE**

Section: **A**

Semester: **VIII**

Regulations: **R20**

A.Y.: **2023-24**

B. TECH MAIN PROJECTS A.Y: 2023-24 A-SECTION

S. No	Regd. No	Student Name	Batch. No	Supervisor	Title of the Project	Hardware /Software
1	20761A0262	VELUGU SOWJANYA	1	Mr. R. Anjaneyulu Naik	INNOVAL GREEN CHARGE: INNOVATIVE EV SYSTEM WITH REGENERATIVE PROPULSION AND BATTERY SWAPPING	Hardware
2	21765A0201	KANDRAKONDA HARSHITHA VENKAT				
3	21765A0207	TALLURI SUBHASH				
4	20761A0243	OLETI KRISHNA SAI SREE	2	Dr. J. Siva Vara Prasad	LINE FLOW SOLAR PANEL CLEANING ROBOT	Hardware
5	21765A0203	KUMMARI PUJITHA				
6	21765A0202	KOLAPALLI BHARATH RAJA				
7	20761A0251	SEELAM SIRISHA				
8	20761A0250	SAYYAD SARDAR	3	Mr. J.V.Pavan Chand	RFID BASED SHOPPING CART USING IOT	Hardware
9	20761A0207	CHENNURI SIVA NARAYANA				
10	20761A0253	SHAIK KHADAR BABA				
11	20761A0218	GUDIPUDI PAVANI	4	Mr. K.Nagalingachary	SOLAR EV CHARGING STATION WITH SINGLE AXIS TRACKING USING IOT	Hardware
12	20761A0236	MUNGAMURI KALYAN				
13	20761A0217	GORUGUNTLA GOWTHAMI				
14	20761A0202	BADUGU SUSHMA	5	Dr.M.Uma Vani	CLASSIFICATION OF POWER QUALITY DISTURBANCES USING WAVELETS AND MACHINE LEARNING	software
15	20761A0259	VADITHE SAI KUMAR NAIK				
16	20761A0235	MOHAMMAD ASMATULLA				

17	20761A0263	YAKKATI HEMANTH SAI	6	Dr. K. Harinadha Reddy	SMART IRRIGATION SYSTEM USING IOT	Hardware
18	20761A0261	VELUGOTI SRIKANTH				
19	20761A0237	MUNTHAMALA TEJA				
20	20761A0239	NALLAMOTHU KAVYA	7	Mr.A.V.Ravi Kumar	SOLAR PHOTOVOLTAIC APPLICATIONS ON A SMALL SCALE USING A GENERALIZED HIGH GAIN MULTILEVEL INVERTER	Software
21	20761A0204	BOGGULA RANJITH KUMAR REDDY				
22	20761A0219	GUDIPUDI SAI RAGHU				
23	20761A0223	KARRI SAMUEL KIRAN	8	Dr. G. Nageswara Rao	INTEGRATING IOT FOR SOLAR WIND POWERED STREET LIGHTING SYSTEM	Hardware
24	20761A0208	CHINNABOINA SAI KUMAR				
25	20761A0245	PASUPULETI PADMA	9	Mr.P.Deepak Reddy	IOT POWERED SMART SYSTEM FOR INSTANT VEHICLE ACCIDENT ALERTS	Hardware
26	20761A0212	DIDDI SATYANARAYANA				
27	20761A0201	AREPALLI NEERAJA				
28	20761A0249	SADULA SRINIVASA REDDY	10	Mr.P.Srihari	SMART ELECTRIC VEHICLE CHARGING STATION THROUGH IOT	Hardware
29	20761A0222	KALAMATA DEEPAK				
30	20761A0241	NUKALA GOPALA SIVA KRISHNA				
31	20761A0215	GOGULAPATI HIRANMAI	11	Dr.P.Sobha Rani	IMPLEMENTATION OF SOLAR PV-BATTERY BASED MICRO-GRID WITH ANFIS CONTROLLER	Software
32	21765A0206	RONGALI CHANDANA				
33	20761A0224	KUMMARI PUJITHA				
34	21765A0205	PILLA AJAY KUMAR	12	Mr.M.B.Chakkravarthy	CAPACITIVE WIRELESS CHARGING SYSTEM FOR ELECTRIC VEHICLES	Hardware
35	20761A0248	RAVULAPALLI PAVAN				
36	20761A0233	MARAKALA SAIKUMAR				
37	20761A0258	VADDE SHIVA	13	Dr.B.Pangedaiiah	IOT-INTEGRATED DYNAMIC WIRELESS CHARGING SYSTEM FOR ELECTRIC VEHICLES WITH AUTHENTICATION AND BILLING	Hardware
38	20761A0211	DARLA KAMAKSHI				
39	20761A0257	UPPU VENKATA SANDEEP				

40	20761A0230	MANCHINENI TARUN VIJAY	14	Dr.K.R.L.Prasad	OPTIMIZATION OF POWER OUTPUT OF PV CONFIGURATIONS UNDERPARTIAL SHADING CONDITIONS	software
41	20761A0206	CHALAMALA CHENNARAO				
42	20761A0221	JUJJAVARAPU AKHILA				
43	20761A0203	BASAVA RAHUL TEJ	15	Dr. M.S.Giridhar	SMART VEHICLE SECURITY WITH GPS AND FACIAL RECOGNITION USING RASPBERRY PI.	Hardware
44	20761A0216	GORLE CHANDRA SEKHAR				
45	20761A0213	GARAPATI KRISHNAVAMSI				
46	20761A0255	SRIKAKOLLU ANIL	16	Dr.A V G A Marthanda	IOT BASED FINGERPRINT SCANNER SYSTEM FOR HOME SECURITY AND ENERGY MANAGEMENT	Hardware
47	20761A0232	MARAGADA JAGADISH				
48	20761A0254	SIRINGI JAYANTH				
49	20761A0244	PANDIRIPALLI PAVAN KUMAR	17	Dr. J. Siva Vara Prasad	UTILIZATION OF WIND ENERGY USING VERTICAL AXIS WIND TURBINE AT LBRCE	Hardware
50	20761A0214	GARNEPUDI SIVA KIRAN				
51	20761A0242	NUNNAGOPPALA TEJA				
52	20761A0246	POTLACHERUVU PRAMEELA THIRUPATAMMA	18	Dr. J. Siva Vara Prasad	AQUASENSE EMPOWERING WATER QUALITY MONITORING	Hardware
53	20761A0227	MADDIRALA PAVAN KUMAR				
54	20761A0240	NATTA PRUDHVI	19	Smt. G. Tabita	A PASSIVE ISLANDING DETECTION TECHNIQUE IN DISTRIBUTION GENERATION SYSTEM	Software
55	20761A0256	SURYADEVARA APARNA				
56	20761A0220	JORIGE MOULISRI				
57	20761A0234	METTAPALLI AKHILA	20	Mrs. Sri Lakshmi Lavanya	BIDIRECTIONAL ELECTRIC VEHICLE CHARGER V2G AND G2V OPERATION COMBINED	Software
58	20761A0209	CHITTULURI LAKSHMI PRASANNA				
59	20761A0238	MUVVA SRUTHI				
60	20761A0205	BOMMA REDDY MOUNIKA	21	Mr. Imran Abdul	DUAL AXIS SOLAR TRACKING SYSTEM AND CONDITION MONITORING USING MACHINE LEARNING	Hardware
61	20761A0229	MALLELA CHARISHMA				
62	20761A0210	CHITTURI VENKATA SOMASEKHAR				

Signature of HOD/EEE



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S. No	Regd. No	Student Name	Batch. No	Supervisor	Title of the Project	Hardware /Software
1	20761A02A9	SAMEERAPETA ANUSHA	1	Mr. K.Nagalingachary	QUADRATIC FOLLOWING BOOST CONVERTER IMPLEMENTATION FOR BLDC MOTOR CONTROL	Software
2	21765A0214	NAGELLA RITHIN				
3	20761A02B9	VANUKURU VIDHYA SAGAR				
4	20761A0282	DITTAKAVI GEETHIKA KIRANMAI	2	Mrs. R.Padma	SOLAR PV CHARGING STATION FOR ELECTRICAL VEHICLES WITH EV TECHNOLOGIES	Hardware
5	21765A0209	DASARI YASWANTH				
6	20761A0287	JONNALAGADDA RAJU				
7	20761A02B6	THOTA NAGA SUPRIYA	3	Dr.B.Pangedaiah	IOT GAS PIPE LEAKAGE DETECTOR USING SOLAR BASED ROBOT	Hardware
8	20761A02C1	VEMIREDDY VENU MADHAVI				
9	20761A0291	KHANDAVALLI SAI DURGA PRASAD				
10	20761A02C0	VELPURI SUBHASH	4	Mr.P.Srihari	SOLAR ENERGY FORECASTING BY USING AI-DRIVEN IOT	Hardware
11	20761A02A6	RAVURI VENKAIAH NAIDU				
12	20761A0270	BATTA NAGA LAKSHMI	5	Dr.K.R.L.Prasad	MODELLING AND SIMULATION ANALYSIS OF POWER-FACTORCORRECTED LLC RESONANT CONVERTER FOR EV APPLICATIONS USING CUK CONVERTER	Software
13	20761A02A7	RAYAVARAPU BABY NIKHITHA				
14	20761A0294	LAMU VIDYARDHI				
15	20761A0275	BYRAGI PRATHYUSHA	6	Dr.M.S.Giridhar	AIR-LIQUID BASED COOLING SYSTEM USING LI-ION BATTERIES	Hardware
16	20761A0295	LINGAM YUVARAJ				
17	20761A0285	GELLI SIVA KOTIREDDY				
18	20761A02B4	SRIKAKULAPU SANDHYA SRI	7	Mr.A.V.Ravi Kumar	OPTIMIZATION AND PERFORMANCE ANALYSIS OF DC-AC DUAL BUCK BOOST INVERTER SYSTEM INTEGRATED WITH SOLAR POWER FOR AC LOADS	Software
19	20761A0265	AMARLAPUDI KEERTHANANJALI				
20	20761A02B7	TULIMELLI PREM CHAND				

21	20761A0297	MARTA SRIHARI	8	Mr.P.Deepak Reddy	POWER PLANT WATER QUALITY MONITORING SYSTEM USING GSM MODULE	Hardware
22	21765A0215	ODUGU SAI YUVARAJ				
23	20761A0283	EMANI SAI GANESH				
24	20761A0266	BADISA DEEPTHI	9	Smt. G. Tabita	DESIGNING OF PESTICIDE SPRINKLER AGRICULTURAL VEHICLE	Hardware
25	20761A02A5	RAJULAPATI RAHITYA				
26	20761A0273	BOLLA KRISHNA CHAITANYA				
27	20761A0286	GOSU VENKATA NAGA CHANDANA	10	Mr. J.V.Pavan Chand	SMART HOME SECURITY AND HOME AUTOMATION SYSTEM	Hardware
28	20761A0277	CHENNU OJASRI				
29	20761A0288	J NIKIL				
30	20761A02B2	SHAIK SAMEER	11	Mr. P Rathnakar Kumar	DESIGN AND DEVELOPMENT OF NEXT GENERATION E-BICYCLE	Hardware
31	20761A02A1	NELLURU AKHIL				
32	20761A0290	KAREDLA SAI KUMAR				
33	20761A02B5	SYED SANA KOWSAR	12	Dr. K. Harinadha Reddy	IOT BASED ROBOT BY WATER JET FOR FIREFIGHTING (HARDWARE)	Hardware
34	20761A02B0	SHAIK AYESHA				
35	20761A0293	KUPPIREDDI DEEPIKA REDDY				
36	20761A0264	AKKALA LEELA DIVYA	13	Mr. R. Anjaneyulu Naik	BATTERY MANAGEMENT SYSTEM IN ELECTRIC VEHICLE WITH CHARGE MONITORING AND FIRE PROTECTION USING IOT	Hardware
37	20761A0298	MAVURI LALITHA				
38	20761A0267	BAJA SATHVIK				
39	21765A0213	MAREEDU RAJESH	14	Dr.A V G A Marthanda	IMPLEMENTATION OF IOT ENABLED PIEZOELECTRIC BASED FOOTPATH AND ENERGY MONITORING SYSTEM	Hardware
40	20761A02B3	SHAIK SHAFIYA				
41	20761A0289	KADIYALA SAI CHANDANA				
42	20761A0296	MAGANTI RAVITEJA	15	Dr. G. Nageswara Rao	SOLAR BASED ELECTRIC VEHICLE CHARGING CIRCUIT IN G2V	Software
43	20761A0274	BOLLEPOGU NAGA BALAJI				
44	20761A02B1	SHAIK RAHAMTHULLA				
45	21765A0216	PESARLANKA NAVYA SREE	16	Dr. J. Siva Vara Prasad	SMART AND INTELLIGENT GSM BASED METER READING SYSTEM	Hardware
46	21765A0210	KOCHERLA RESHMA				

47	20761A02C2	VUYYURU SRI BHAVYA	17	Dr.P. Sobha Rani.	SMART TEMPERATURE-DEPENDENT COOLING OF SOLAR PANEL USING NODE MCU	Hardware
48	20761A02A0	NAREDLA ANITHA				
49	20761A0292	KOMATI VENKATA BHAVANI VINAY KUMAR				
50	21765A0212	MADAPATI ARAVIND	18	Mrs R.Padma	THE RIVER CLEANING ROBOT THE REVOLUTIONIZING WATERWAY CLEANUP	Hardware
51	20761A0271	BATTULA VENU MADHAV				
52	20761A02A8	ROMPICHARLA ANVESH				
53	20761A02A4	PUVVALA SATYA SAI LOHITH	19	Dr.M.Uma Vani	TECHNO-ECONOMIC ANALYSIS OF A HYBRID SOLAR- HYDROGEN MICRO-GRID SYSTEM SUPPLYING POWER TO A RESIDENTIAL COMMUNITY	software
54	20761A0280	DASARI RAJA SEKHAR				
55	20761A0299	NALLAGONDA VENKATA SAI MANOJ KUMAR				
56	20761A02B8	VANKALAPATI SUNANDHA	20	Dr.J.Siva Vara Prasad	AUTOMATED WALKING GUIDE TO ENHANCE MOBILITY FOR BLIND PEOPLE USING IOT	Hardware
57	21765A0208	ANDE HEMANTH KUMAR				
58	20761A02A2	ORUGANTI DISNEY SINHA				
59	20761A02A3	PANTHAM SUVARNA RAJU				
60	20761A0269	BANTUPALLI LAVANYA	21	Mrs. T. Hima Bindu	SOLAR BASED ELECTRIC VEHICLE MONITORING SYSTEM USING IOT	Hardware
61	20761A02C3	YENUMULA LAHARI				
62	20761A0276	CHANNAMSETTY KRISHNA VAMSI				

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