LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)
Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

B.TECH MAIN PROJECTS TITLES A.Y: 2022-23				A-SECTION		
S. No	**Regd. No**	**Student Name**	**Batch. No**	**Supervisor**	**Title of the Project**	**Hardware /Software**
1	20765A0209	VALLALA MAHESH BABU	1	Mr.P.Deepak Reddy	SIMULATION OF A HYBRID NINE LEVEL INVERTER WITH BOOSTING CAPABILITY AND COMPARE THE RESULTS OF DIFFERENT PWM TECHNIQUES USING MATLAB	Software
2	19761A0221	KAJA JYOTHIRMAI				
3	19761A0203	BANAVATHU THIRUPATHI NAIK				
4	19761A0232	NALLAGUNDLA VEENA NAGA SRI	2	Mr. A Ravi Kumar	Management of small scale hybrid microgrid	simulation
5	19761A0219	JULURU THUSHITHASAI				
6	19761A0254	YOGITHA RAAVI				
7	19761A0242	THIRUNATH RAKESH RAJ				
8	20765A0206	KANAKAMEDALA KHYATHI	3	Mr MB.Chakkravaarthy	UART INTERFACING WITH PIPELINED CPU	Software
9	20765A0201	CHATLA DIVYA SREE				
10	19761A0213	ELUKA DIVYA				
11	19761A0241	THAMMINA PRINCY	4	Mr. R. Anjaneyulu Naik	Performance and analysis of neural network based grid connected solar PV system for electric vehicles	simulation
12	20765A0205	KAMBHAM KARTHIK				
13	19761A0234	PASUPULETI NAVEEN				
14	19761A0251	YARRAGANGULA JOSHIKA	5	Dr.K. Harinadha Reddy	performance analysis of fuzzy logic controller-based multi-port DC-AC converter with DPPC for PV-Based Systems	simulation
15	19761A0249	VEERLA DIVYA				
16	19761A0235	PINNINTI VAMSI				
17	19761A0212	DIVVELA AYYAPPA	6	Dr.J. Siva Vara Prasad	Automatic Floating Solar Panel Cleaning Robot using Raspberry pi Pico	Hardware
18	19761A0237	SANAMPUDI NAGA DURGA				
19	19761A0252	YEDLAPALLI MADHAVI	7	Mr.P.Srihari	Arduino Based Automatic Load shedding Time Management System	Hardware
20	19761A0216	IRLA TARUN				
21	19761A0228	MAHANKALI RAMAKRISHNA				

22	20765A0203	JADA CHAITANYA KUMAR	8	Dr.K.Rama Linga Prasad	Advanced Fast Charging circuit for EV batteries	Software
23	19761A0230	MEKA VENKATA SRAVANTH BABU				
24	19761A0246	VADDI ROSHITH				
25	20765A0202	CHATLA PRAVEEN	9	Mrs. G.Tabita	Design of A Dual-Axis Solar Tracking System with Low Cost	Hardware
26	19761A0209	CHEEDARLA JYOTHIKA				
27	19761A0218	JOGI BALAJI				
28	19761A0244	ULLIBOINA GANGA BHAVANI	10	Dr.A V G A Martanda	Power Quality Improvement Using Dynamic Voltage Restorer Along With Hybrid Filters	simulation
29	19761A0245	VADAPALLI UDAYTEJA				
30	18761A0258	BOJJAGANI SANDEEP				
31	19761A0223	KODATI POOJITHA	11	Mr. R. Anjaneyulu Naik	IOT Enabled smart charging station for electrical vehicles	Hardware
32	19761A0211	DHARLA RAMA DEVI				
33	20765A0211	VEMANDA PREM CHAND				
34	19761A0226	KONCHADA NITIN	12	Dr.G NAGESWARA RAO	A THREE LEVEL UNIVERSAL ELECTRICLE VEHICLE CHARGER BASED ON VOC &PULSE WIDTH MODULATION WITH ANN	simulation
35	19761A0225	KOLUSU VENKATA DURGA BHAVANI				
36	19761A0204	BANDARU LASYA PRIYA				
37	19761A0205	BOLAMALA GOKUL RAJU	13	Dr.M. Uma Vani	A COMPARATIVE STUDY OF STATE OF CHARGE ESTIMATION OF LITHIUM ION BATTERIES IN ELECTRIC VEHICLES USING EQUIVALENT CIRCUIT MODEL AND DEEP LEARNING	SIMULATION
38	19761A0231	NADELLA SIRI CHANDANA				
39	19761A0207	BORUGADDA JOSHIKKA SHINY				
40	20765A0204	KAKARLA PRAVALLIKA	14	Dr.M.S.Giridhar	Designing of Solar Rooftop charging station for EV.	Hardware
41	20765A0210	VANGALA KRISHNA VENI				
42	19761A0243	ULAVA SASIDHAR				
43	19761A0239	SHAIK SHAREENA	15	Mrs T.Naga Durga	Dynamic electric vehicle charging based smart toll system	Hardware
44	19761A0250	VELURI JHANSI				

45	19761A0214	GALLA NANDAN KUMAR				
46	19761A0229	MATANGI TEJASWI	16	Mr.J.Pavan Chand	Smart Foot Steps Power Generation System	Hardware
47	19761A0253	YETUKURI AKHILA				
48	19761A0215	GUDIPUDI SRINU				
49	19761A0227	KOTHA RESHMA	17	Mr P.Rathnakar Kumar	Smart EV Billing and charging station using iot	Hardware
50	19761A0236	RANGU GAYATHRI				
51	20765A0207	MATTA YEBBEJU				
52	19761A0202	BADINENI SRAVANI	18	Dr.B.Pangedaiah	solar powered battery charging system by using arduino	Hardware
53	19761A0220	KAITHEPALLI GOPINATH				
54	19761A0233	PALETI NIHARIKA				
55	20765A0208	THONDEPU KISHORE PHANI KUMAR	19	Mr.Ch.Rajesh	EV CHARGER WITH LLC TOPOLOGY AND SEPIC CONVERTER	HARDWARE
56	19761A0201	ATMAKURU SHESHA SAI MAHESH				
57	19761A0247	VANKAYALAPATI CHANDU				
58	19761A0206	BOLLA MADHURI	20	Dr.P.Sobha Rani	Novel control strategy to minimize energy storage utilization in a standalone dc microgrid	Software
59	19761A0248	VASA SAI BHARGAVI				
60	19761A0240	SYED AJAMAL QUADRI				
61	18761A0294	SHAIK SHAKIB				

S.No	Roll No	Name of The Student	Batch No	Supervisor	Title of The project	Hardware / Software
B.TECH MAIN PROJECTS TITLES A.Y: 2022-23 B-SECTION						
1	19761A0278	KOKKILIGADDA SRAVANTHI	1	Mrs.R.Padma	IOT based Transformer load Monitoring and Controlling with alerting system using ARDUINO NANO and GSM	Hardware
2	20765A0217	PILLI HAVINASH				
3	19761A0273	KALEY SAMPATH ROY				
4	19761A0285	N JUDE				
5	19761A0269	JAMMISETTI LAKSHMI SRAVANI	2	Mr.P.Deepak Reddy	Solar based plug-in charger for vehicle to grid operation using bidirectional flyback converter	Software
6	19761A0295	SHAIK HAZARUNNISA				
7	19761A0271	JUTURU GUNA SHEKAR				
8	19761A0277	KETHE SYAMALA DEVI	3	Dr.J.Siva Vara Prasad	Performance of Half Bridge LLC Resonant converter using matlab/ simulink	Software
9	19761A0270	JONNALAGADDA RAM KUMAR				
10	19761A0260	BOMMINENI SAI KUMAR				
11	19761A0262	CHINNAPUREDDY VYSHNAVI	4	Dr.K.Rama Linga Prasad	Designing and Implementation of Node MCU based solar grass cutter	Hardware
12	19761A0276	KETHAM SRIVARDHINI				
13	19761A0255	ADDANKI HARIKA	5	Dr.K.Harinadha Reddy	Design and analysis of flying capacitor modular multilevel converter for medium scale applications.	software
14	19761A02A0	TELLURI BHARGAVI				
15	19761A0289	PEDAGAMALLA GOPALA KRISHNA				
16	19761A0266	GUDURU TEJASWI	6	Mr.K Naga Linga Chary	Estimation and Evaluation of Current Inter-harmonics of an Induction Motor with Variable Periodic Load	Software
17	20765A0221	VUTLA KIRAN				
18	19761A0294	SHAIK ALI				
19	19761A0274	KANDUKURI SANGHAVI	7	Mr.J.V Pavan Chand	Solar powered smart vaccination Refrigerator Management System	Hardware
20	20765A0214	KATTA DIVYA				
21	18761A0283	MOHAMMED RIYAN ALI				

22	19761A0256	ALAVALA VENKATA KRISHNA REDDY	8	Dr.M.Uma Vani	Solar Irradiation Forecasting Using Machine Learning Techniques	**Software**
23	19761A02A4	VELPURI SIREESHA				
24	19761A0257	BADITHA PRASOON				
25	19761A0258	BITTU JYOTHI	9	Dr.P.Sobha Rani	Battery Monitoring System For E-Vehicles	Hardware
26	19761A0296	SHAIK NAGOOR				
27	19761A0299	SUNKARA MEGHANADH UMA SANKAR				
28	20765A0212	BANDARU RAJESH	10	Mrs.T.Naga Durga	IOT BASED UNDERGROUND FAULT CABLE USING RASPBERRY PI PICO	Hardware
29	19761A0290	PETA CHANDRIKA				
30	19761A0286	PAGADALA JAHNAVI				
31	19761A0275	KEESARA VIJITHA	11	Dr.M.S.Giridhar	Design of Lithium-Ion Battery for Electric Vehicle	Hardware
32	19761A0268	ISUKAPALLI ASHALATHA				
33	19761A02A6	VIVEK NUTAKKI				
34	19761A0288	PARISHAPOGU KAVYANJALI	12	Mr.P.Srihari	Iot based demand side management using Arduino along with thingspeak application	hardware
35	20765A0216	PENUBALLI ANUSHA				
36	19761A0272	KAKATI JENISHA				
37	19761A02A1	TUMU LAKSHMI ALEKHYA	13	Dr.G.Nageswara Rao	ELECTRIC VEHICLE WIRELESS CHARGING WITH SOLAR PANEL	Hardware
38	19761A0264	DHARAVATH SAGAR				
39	19761A0279	KOLLI SHYAM CHOWDARY				
40	20765A0222	YARAGORLA AKHILESH YADAV	14	Mr Imran Abdul	Solar panel monitoring and fault identification by using raspberry Pi pico	Hardware
41	19761A0293	SARIPALLI TEJESH				
42	19761A02A2	TUNDUCHI KEERTHANA				
43	20765A0218	RAYALA GOPI	15	Mrs G.Tabita	Hybrid system with enhanced power smoothing functionality using neural network controller	software
44	20765A0215	MALNEEDI MANI PRADEEP				
45	19761A0263	DEVANDLA RAMANJANEYULU				

46	19761A0298	SOWMYA ARYA	16	Mr.K.Naga Linga Chary	Comprehensive analysis of Bi directional dc-dc converter in electrical vehicles for the stabilization of load changes in grid	Software
47	20765A0220	VARDHANAPU ROSHAN RAJU				
48	19761A02A7	YARRAMSETTI HARITHA				
49	20765A0213	CHATRAGADDA SINDHU	17	Dr.A V G A Martanda	Energy efficient Smart building and home scurity	Hardware
50	19761A0281	LAKKU SRINIVASAREDDY				
51	19761A02A3	VASA HEMANTH REDDY				
52	19761A0280	KOTHAVARI GREESHMA	18	Mr.A V Ravi Kumar	Reduction Of Total Harmonic Distortion With Modified Multilevel Inverter employing SPWM	Software
53	19761A0265	GARLAPATI SAIDIVYA				
54	20765A0219	SHAIK SHARIEF				
55	19761A0259	BITTU TEJASWINI	19	Mr.Ch.Rajesh	IOT Based Prepaid Energy Meter For Implementation Of Energy Monitoring And Bill Payment System	Hardware
56	19761A02A9	YIRLA DURGA PRASAD				
57	19761A02A5	VEMULA AMARNADH				
58	19761A0287	PAMARTHI NAGALAKSHMI	20	Dr.B.Pangedaiah	ISLANDING DETECTION ON IEEE 13 BUS SYSTEM BASED ON SEQUENCE COMPONENTS	software
59	19761A0283	MEESALA DURGA PRASAD				
60	19761A0284	NAGIREDDY VAISHNAVI				
61	19761A02A8	YELLETI GUNA SAI SAMPATH				