



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.: 2024-25

S. No	Regd. No	Student Name	Batch. No	Supervisor	Title of the Project (TITLE ON YOUR THESIS BOOK)	Hardware /Software
1	21761A0233	Pallapothula Sreeja	1	Mr.P.Deepak Reddy	LI-FI TECHNOLOGY IN VEHICLE COMMUNICATION SYSTEMS	HARDWARE
2	21761A0204	Budiputi Prasanth Kumar				
3	22765A0206	G Venkateswara Rao				
4	21761A0235	Peeka Abhinay Babu				
5	21761A0244	Uddanti Durga Bhavani	2	Dr..Y.Raghu Vamsi	IOT BASED SUBSTATION EQUIPMENT MONITORING SYSTEM WITH CNN INTEGRATION	HARDWARE
6	21761A0229	Mokara Hima				
7	21761A0222	Kurmapu Akash				
8	21761A0241	Siriviseti Praneeth				
9	21761A0224	Mandhada Kavya	3	Dr.P. Sobha Rani	FLOATING SOLAR PANEL WITH SUN POSITION TRACKING SYSTEM	HARDWARE
10	22765A0210	Pagadala Meghana				
11	22765A0208	Kommuru Bhavya Sri				
12	22765A0207	Kola Ramu				
13	22765A0212	Pusukuri Deepthi	4	Mr.Imran Abdul	CYBER ATTACK DETECTION STRATEGY BASED IN DISTRIBUTION SYSTEM STATE ESTIMATION SYSTEM USING DEEP LEARNING	SOFTWARE
14	21761A0220	Kalasani Narasimha Rao				
15	22765A0211	Pesaramelli Sujanika				

16	21761A0223	Malladi Manjula Priyadarshini	5	Mr.M.B.Chakkravaarthy	DESIGN OF A MOVEABLE SOLAR ENERGY POWER UNIT WITH DC GEAR MOTOR USING IOT	HARDWARE
17	21761A0239	Sanka Dayamani				
18	21761A0240	Shaik Shabana				
19	21761A0243	Tirumalareddy Sri Poojitha	6	Dr.K.R.L.Prasad	MODELLING AND SIMULATION OF EFFECTIVE BATTERY CHARGING SYSTEM USING STEP VOLTAGE AND STEP DUTY SIZE BASED MPPT CONTROLLER FOR SOLAR PV SYSTEM	SOFTWARE
20	21761A0203	Chandaluri Venkata Sai Kumar				
21	22765A0204	Deevi Hari Sai Manikanta				
22	22765A0205	G Charanbabu	7	Dr.M.Uma Vani	NEXT-GENERATION ENERGY MONITORING SYSTEM COMBINING SMART METERS, IOT, MICROCONTROLLER, AND CLOUD COMPUTING WITH INSTANT THEFT INTERRUPTION	HARDWARE
23	22765A0203	Chandaluri Venkata Sai Kumar				
24	22765A0214	T Naveen Kumar				
25	21761A0247	Veerla Lavanya	8	Dr.G.Nageswara Rao	INTEGRATED SOLAR WIRELESS INDUCTIVE CHARGING FOR ELECTRIC VEHICLE AND BATTERY MANAGEMENT SYSTEM USING IOT	HARDWARE
26	21761A0218	Jupudi Grace Kumari				
27	21761A0215	Guntaka Lakshmi				
28	22765A0213	Tenali Devi Manasa	9	Mrs T.Hima Bindu	SMART IOT CONNECTED MOBILE OPERATED GRASS CUTTING VEHICLE WITH ADVANCED GPS AND VOICE CONTROL SYSTEM	HARDWARE
29	22765A0202	Battula Srija Reddy				
30	21761A0232	Pagadala Balaji				
31	21765A0204	Lanka Pravallika	10	Dr. M.S.Giridhar	IOT-ENHANCED SMART ENERGY METER WITH DUAL NODE MONITORING, CLOUD DATA INTEGRATION, BILLING AND ALERT SYSTEM FOR THEFT ATTEMPS	HARDWARE
32	22765A0201	Addagarla Vanela				
33	21761A0231	Nallamudi Laya Vardhan				
34	21761A0242	Tavva Geethanjali	10	Dr. M.S.Giridhar		HARDWARE
35	21761A0236	Pulapaka Babu				

36	21761A0238	Sanapathi Veera Venkata Siva Harsha	11	Mr.R.Anjaneyulu Nayak	SMART TRANSFORMER COOLING SYSTEM WITH ARDUINO INTEGRATION	HARDWARE
37	21761A0217	Inapanuri Ramya Sri				
38	21761A0225	Mannava Ramkey				
39	21761A0246	Vasepalli Rajasekhar Reddy	12	Dr.B.Pangedaiah	PASSIVE ISLANDING DETECTION USING DECISION TREE-BASED MACHINE LEARNING APPROACH	SOFTWARE
40	21761A0234	Pandi Keerthi				
41	21761A0208	Chunchu Abhinay Kumar				
42	21761A0227	Mocharla Mythili				
43	21761A0237	Ravula Sai Kiran				
44	21761A0212	Gampa Vinod Babu	13	Dr. J. Siva Vara Prasad	DESIGN AND FABRICATION OF AN ELECTRIC TRICYCLE FOR ASSISTED MOBILITY	HARDWARE
45	21761A0202	Allamsetti Venkata Naga Sai Vamsi Krishna				
46	21761A0221	Kannavalli Venkata Sai				
47	21761A0207	Chinta Jahnavi				
48	21761A0206	Buska Rajani	14	Mr.K.Nagalingachary	SINGLE PHASE SHIFT MODULATED DUAL ACTIVE BRIDGE (SPS-DAB) CONVERTER TO CONTROL THE POWER	SOFTWARE
49	21761A0201	Adusumalli Sri Hari				
50	21761A0210	Eedara Naga Praveena				
51	21761A0216	Gurindapalli Vijay	15	Mr. J.V.Pavan Chand	SOLAR BASED SURVEILLANCE ROBOT	HARDWARE
52	21761A0219	Kagitha Kumar Babu				
53	21761A0209	Davu Sailesh				
54	21761A0211	Galanki Mahitha	16	Dr. K. Harinadha Reddy	VEHICLE TO VEHICLE COMMUNICATION OF COLLISION DETECTION SYSTEM USING LI-FI AND ULTRASONIC SENSING DEVICES	HARDWARE
55	21761A0205	Budupula Naganjaneyulu				

56	21761A0213	Gangaraju Renuka Ratna Hasitha	17	Dr.J.Siva Vara Prasad	Dual Axis Servo Based Solar Tracker with MPPT and Self Cleaning Mechanism For Sustainable Energy	HARDWARE
57	21761A0214	Gonnuru Geetika				
58	21761A0226	Matta Harika				
59	21761A0248	Yarlagadda Naga Praveen	18	Dr.A.V.G.A Martanda	Smart Compost System With Renewable Energy Integration	HARDWARE
60	22765A0209	Korada Akhila				
61	21761A0230	Muvva Naga Veena				

Project coordinators

Signature of HOD/EEE



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B.Tech. Projects

Branch: **EEE**

Section: **B**

Semester: **VIII**

Regulations: **R20**

A.Y.: **2024-25**

B.TECH MAIN PROJECTS TITLES A.Y: 2024-25

S. No	Regd. No	Student Name	Batch. No	Supervisor	Title of the Project (TITLE ON YOUR THESIS BOOK)	Hardware /Software
1	22761A0267	KOLLI TEJASWI	1	Mr.P.Rathnakar Kumar	IOT-ENABLED ENVIRONMENTAL AND WORKER SAFETY MONITORING SYSTEM IN COAL MINES	Hardware
2	22761A0287	SOMPAKA JANAKI DEVI				
3	21761A0253	BAJJURI VAMSI KRISHNA				
4	20H71A0211	ALLURI KAVYA				
5	21761A0294	VENNAPOOSA ANITHA	2	Mrs. R.Padma	RFID ATTENDANCE SYSTEM AND MESSAGE CONVEY THROUGH VOICE CONTROL USING FOOTSTEP POWER GENERATION	Hardware
6	21761A0291	VALLABHANENI POTHURAJU				
7	21761A0249	ADAPA VEERA NAGA BASAVA PURNA				
8	21761A0276	MUKKARA SURYA SATYANARAYANA REDDY				
9	21761A0289	THAMATAM RESHMA	3	Mr.J.V.Pavan Chand	WIND-POWERED GRAVITY BATTERY: A SUSTAINABLE ENERGY STORAGE SYSTEM	Hardware
10	21761A0292	VANAPALLI POORNIMA				
11	21761A0258	GOGULA NAGA BHAGYALAKSHMI				
12	21761A0290	THOMMANDRU SATYAVANI				

13	21761A0283	SEELAM GNANA VENKATA BHARGAVI	4	Dr. G. Nageswara Rao	DESIGNING A SOLAR POWERED OFF- GRID CHARGING STATION FOR ELECTRIC VEHICLES	Hardware
14	21761A0261	GUNTHA CHANDRA KOWSHIK				
15	21761A0277	NALLAMOTHU VINOSH				
16	21761A0279	NEELAGIRI DEEPTHI				
17	22765A0216	AMPILI SANTOSHKUMAR	5	Dr.K.Harinadha Reddy	OPTIMAL ENHANCED THERMAL LI- ION BATTERY MANAGEMENT WITH THERMOELECTRIC GENERATION AND ACTIVE CELL BALANCING	Hardware
18	22765A0224	MOHAMMAD VASEEHA				
19	21761A0280	PALAKOLLU PAVANI				
20	22765A0223	MANDALAPU SIVA RAM				
21	21761A0275	MUDI BALA ANJANEYULU	6	Mr P.Deepak Reddy	RAILWAY TRACK INSPECTION AND AUTOMATIC GATE CROSSING CONTROL SYSTEM	Hardware
22	21761A0260	GUNADALA JASHUVA				
23	21761A0293	VENGALA DINDY ABHIRAM				
24	21761A0262	JATIPITI SAI GANESH				
25	22765A0219	CHENNURI PRADEEP KUMAR	7	Dr.M.Uma Vani	INNOVATIVE UNDERGROUND CABLE FAULT DETECTION SYSTEM USING RASBERRY PI PICO W,GSM,GPS,AND MIT APP INVENTOR	Hardware
26	22765A0217	BEKKAM YESHAYA BABU				
27	21761A0269	KOPPULA VENKATA KUMAR REDDY				
28	20761A0279	CHUNCHU PRATEEP KUMAR				

29	21761A0284	SHAIK NAZMA PARVEEN	8	Dr. M.S.Giridhar	HYBRID RENEWABLE ENERGY SYSTEM WITH LOAD BALANCING USING ARDUINO	Hardware
30	21761A0252	ARUMALLA PREM KUMAR				
31	21761A0257	GODDETI JOGI NARASIMHA RAO				
32	21761A0282	RAMAVATH SAI VIRAT NAIK				
33	22765A0218	BELLAMKONDA NAGABABU	9	Dr.P. Sobha Rani	AUTOMATIC POWERFACTOR CORRECTION AND IMPROVEMENT ESP 8266 MICROCONTROLLER	Hardware
34	21761A254	BORRA DEEPTHI				
35	22765A0227	VATA DHANA SRI				
36	21761A0251	ALURI VIJAY				
37	21761A0268	KONIDALA TEJA SRI	10	Dr.K.R.L.Prasad	MODELLING AND SIMULATION ANALYSIS AND CONTROL OF DUAL ACTIVE BRIDGE (DAB) POWER CONVERTER	Software
38	21761A0264	K JANSI				
39	21761A0274	MARTHA GANESH				
40	21761A0263	JOSEPH PRABHAS TEJA				
41	21761A0278	NARADALA SAILAJA	11	Mr A.V.Ravi Kumar	ENERGY MONITORING AND CONTROLLING AUTOMATIC TRANSFER SWITCH BETWEEN GRID AND SOLAR WITH GMS MODULE	Hardware
42	21761A0255	CHAPPIDI VENU				
43	21761A0281	PARIMI ASHOK KUMAR				
44	22765A0225	PALLA DURGA PRASAD				
45	22765A0226	TUMMALAPENTA PAVAN VENKATA SAI	12	Dr.B.Pangedaiah	PASSIVE ISLANDING DETECTION IN A HYBRID DC/AC MICROGRIDUSING COORDINATED CONTROL FOR GRID- CONNECTED PV, WIND-DRIVEN PMSG, AND ENERGY STORAGE SYSTEM	Software
46	21761A0265	KARNATI RAJ KUMAR SWAMY				
47	21761A0273	MANDA MAHIMA				

48	22765A0222	KADAGANCHU VENKATA MAHESWARA RAO	13	Mrs G.Tabita	IOT- ENABLED SMART LAMP POST FOR ADAPTIVE LIGHTING, TRAFFIC MANAGEMENT AND URBAN SURVEILLANCE	Hardware
49	22765A0228	YARABROLU GOPICHAND				
50	21761A0270	KORUPOLU VENKATA MAHESH				
51	21761A0288	TADIKONDA BINDU SREE				
52	22765A0221	GEDDAPU BHEESHMA	14	Mrs K.S.L.Lavanya	SMART SOLAR PV SYSTEM WITH TEMPERATURE DEPENDENT COOLING AND TRACKING	Hardware
53	21761A0250	ALLU LAVANYA				
54	21761A0256	GINJUPALLI SAHAJA				
55	22765A0215	ABBADASARI VAMSI	15	Mr P.Srihari	SOLAR POWERED IOT BASED SECURE MULTI FUNCTIONAL CHARGING SYSTEM	Hardware
56	21761A0286	SHAIK SHABEER				
57	22765A0220	GAJJALA JATHIN				

Project coordinators

Signature of HOD/EEE