



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. Project Titles

Branch: **EEE**

Section: **A**

Semester: **VIII**

Regulations: **R20**

A.Y.: **2025-26**

B.TECH MAIN PROJECTS TITLES A.Y: 2025-26

S. No	Regd. No	Student Name	Batch. No	Supervisor	Title of the Project (TITLE ON YOUR THESIS BOOK)	Hardware /Software
1.	22761A0202	ANNAPUREDDY PARAMESWARA REDDY	1	Dr.K.R.L.Prasad	IOT BASED SMART INDUCTION MOTOR PROTECTION AND SPEED CONTROL USING MACHINE LEARNING	Hardware
2.	22761A0205	BATTULA DUSHYANTH KUMAR				
3.	22761A0232	KETINENI SNEHITH				
4.	22761A0235	MADICHARLA TANUJA SRI	2	Dr.J.Siva Vara Prasad	SMART TRANSFORMER FAULT DETECTION AND AUTOMATIC LOAD SHARING USING EMBEDDED SYSTEM AND IOT	Hardware
5.	22761A0254	YACHAMANENI LAKSHMI KRISHNA PRIYA				
6.	22761A0238	MANDI NIRANJAN REDDY				
7.	22761A0243	NAKKANABOINA SRAVANI	3	Mr.R Anjaneyulu Naik	SMART HYBRID RENEWABLE ENERGY MONITORING SYSTEM WITH DC-DC CHOPPER AND IOT INTEGRATION	Hardware
8.	22761A0231	KAZA SRAVANI				
9.	22761A0246	PATRI TEJA KUMAR				
10.	23765A0213	PENUGANTI ANUSHA	4	Dr.M.Uma Vani	IOT-FRAMEWORK FOR MONITORING AND FAULT DETECTION IN HYBRID ELECTRIC VEHICLES	Hardware
11.	23765A0201	AJMEERA KALYANI				
12.	22761A0241	MIRIYALA SYAM KUMAR				

13.	22761A0201	ALLU JAYACHANDRA	5	Dr. B.Pangedaiah	SOLAR POWERED SMART MULTI PURPOSE AGRICULTURE ROBOT	Hardware
14.	21761A0245	UNDRAKUNTA RAMA KRISHNA				
15.	22761A0218	CHIKKALA LAKSHMI LAVANYA				
16.	22761A0227	KANCHERLA MAHENDRA				
17.	22761A0230	KARAKU TATHAJI	6	Mr.P.Srihari	INTELLIGENT LOAD SHEDDING AND PRIORITY MANAGEMENT SYSTEM	Hardware
18.	23765A0209	MEDISETTI HARI NARAYANA				
19.	23765A0202	ARUVANTI SURYA TEJA				
20.	22761A0244	NAKKANABOYINA SIVENDRA	7	Mr.P.Rathnakar Kumar	AUTONOMOUS LINE FOLLOWING ROBOT FOR ELECTRICAL SUBSTATION MONITORING WITH IOT INTEGRATION	Hardware
21.	22761A0228	KANCHI DEVENDRA VENKATA RAMESH BABU				
22.	22761A0240	MIDHE YASHWANTH				
23.	22761A0208	BODDETI YESHWANTH KRISHNA				
24.	22761A0248	SAMPATHI VENKATA RAVINDRA	8	Dr.G.Nageswara Rao	IOT BASED SMART TRAFFIC CLEARANCE FOR EMERGENCY ELECTRIC VEHICLES	Hardware+ software
25.	23765A0207	MAILAVARAPU SIVA KRISHNA				
26.	22761A0245	PALLA NARESH				
27.	22761A0260	BORRA UJWAL				
28.	23765A0215	TULLURI RAMYA	9	Mrs G.Tabita	IOT-ENABLEDSOLARDCPOERSUPPLYUSING BUCK-BOOST CONVERTER	Hardware
29.	23765A0208	MALLIKESWARAPU SHRAVANI				
30.	22761A0251	TADELA HEMASAI				
31.	23765A0211	NAKKA NAGA JAYA SREE	10	Mr.K.Nagalinga Chary	IOT BASED VEHICLE -TO-GRID (V2G) ENERGY MONITORING AND SMART POWER MANAGEMENT SYSTEM	Hardware
32.	22761A0239	MEKALA RISHITHA				
33.	22761A0209	BOINA HARINADH				

34.	22761A0223	GAJULA ANITHA SRI	11	Mr.Imran Abdul	SOLAR POWERED WIRELESS CHARGING ROAD FOR ELECTRICAL VEHICLE	Hardware
35.	22761A0207	BODDAPATI NITISH				
36.	22761A0224	GUDURU NARENDRA REDDY				
37.	22761A0213	CHALLA AJAY	12	Dr.P.Sobha Rani	TRANSMISSION LINE FAULT DETECTION USING IOT	Hardware
38.	22761A0216	CHELLU DIVYA SRI				
39.	22761A0247	PENDEM RAJESH				
40.	22761A0252	VADLAMUDI SAI PRASANNA	13	Mrs R.Padma	"DESIGN AND IMPLEMENTATION OF SMART PARKING AND EV CHARGING SYSTEM USING RFID AND ARDUINO"	Hardware
41.	23765A0214	SHAIK ABDUL AJEEM				
42.	23765A0210	MUDHIGONDLA KARTHIK				
43.	22761A0210	BOLIGARLA KEDHARESWAR	14	Dr. K. Harinadha Reddy	ADAPTIVE ROBOTIC WIRELESS POWER TRANSFER SYSTEM FOR ELECTRIC VEHICLES	Hardware
44.	22761A0255	YARAKAREDDY SHANNMUKH REDDY				
45.	22761A0221	DASARI RISHITH				
46.	22761A0234	KOTTAVALASA TEJESWARI	15	Mr.A.V.Ravi Kumar	OPTIMIZED MULTISTAGE CONVERTER WITH WIDE VOLTAGE GAIN AND HIGH EFFICIENCY	Hardware
47.	22761A0249	SANAGAPATI PRANITHA				
48.	22761A0236	MAHADEVA SAI HEMANTH KUMAR				
49.	22761A0226	KALAKOTI SREELEKHA	16	Mrs K.S.L.Lavanya	SOLAR BASED INTELLIGENT VEHICLE MONITORING SYSTEM WITH ACCIDENT DETECTION AND SAFETY CONTROL	Hardware
50.	22761A0219	CHINNI YAKSHA SAI SRINIVAS				
51.	22761A0204	BATHULA JYOSHNA				
52.	22761A0242	MUVVA PRAVANYA	17	Mr.J.V.Pavan Chand	SMART TROLLEY SYSTEM WITH EFFICIENT POWER AND WIRELESS CHARGING.	Hardware
53.	22761A0206	BODAPATI LAKSHMI SOWMYA				
54.	22761A0212	BURRI LAKSHMI KANTH				

55.	23765A0206	KUNDRAPU CHANDRIKA	18	Dr.Y.Raghu Vamsi	LOT-BASED DIMMABLE LED LIGHTING SYSTEM FOR SMART CITY LAMPPOSTS	Hardware
56.	22761A0214	CHATTU MOUNIKA				
57.	22761A0220	CHINTHOJU YASWANTH KUMAR				
58.	22761A0229	KANNA LAVANYA	19	Dr.M.S.Giridhar	MICROCONTROLLER-DRIVEN AUTOMATIC POWER FACTOR COMPENSATION AND INDUSTRIAL HAZARD SURVEILLANCE	Hardware
59.	22761A0217	CHERUKUPALLI VENKATESWARA RAO				
60.	22761A0225	GUNJA SHANKAR				
61.	23765A0205	KARRE ROHITH	20	Dr.A.V.G.A.Martanda	IOT-BASED SECURE SMART GRID WITH RENEWABLE ENERGY INTEGRATION AND MACHINE LEARNING BASED FAULT DETECTION	Hardware
62.	23765A0204	KADHAM SASI VARDHAN				
63.	22761A0253	VEMULA ROHIT				
64.	22761A0203	BALA SRAVANTHI	21	Mr.P.Deepak Reddy	A REAL-TIME ELECTRICITY THEFT DETECTION AND AUTOMATED MONITORING SYSTEM UTILIZING IOT AND MONITORING LEARNING ALGORITHMS	Hardware+ software
65.	22761A0237	MAHANKALI SATYA PRIYA				
66.	22761A0222	DURU PRASANTH				
67.	22761A0233	KOLUSU USHARANI	22	Mrs D.Venkata Lakshmi	INTELLIGENT SOLAR-BASED DC MICROGRID FOR FAST AND SECURE EV CHARGING	Hardware
68.	22761A0250	SWARGAM LAVANYA SRI				
69.	22761A0211	BONU PURNA SAI				
70.	20761A0252	SHAIK ABDUL AZIM				

Signature of HOD/EEE



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S. No	Regd. No	Student Name	Batch. No	Supervisor	Title of the Project (TITLE ON YOUR THESIS BOOK)	Hardware /Software
1.	22761A0286	NAKKA LAHARI	1	Mr.P.Srihari	SOLAR - POWERED WIRELESS CHARGING PLATFORM FOR IOT NODES AND APPLICATIONS	Hardware
2.	22761A0263	CHIRUMAMILLA TARUN				
3.	22761A0285	MOHAMMED MUSKHAN				
4.	22761A0278	KONDA NARSAMMA	2	Dr. Y Raghuvamsi	IOT BASED TRAFFIC MANAGEMENT SYSTEM WITH EMERGENCY VEHICLE DETECTION	Hardware
5.	22761A0271	JAKKULA NAVYA SRI				
6.	22761A02A8	VEMULAMADA MOUNIKA				
7.	22761A0269	G VISHNU VARDHAN REDDY	3	Mr.K.Naga Linga Chary	STM32 BASED POWER FACTOR CORRECTION SYSTEM WITH TRIAC (BT136)CONTROL AND IOT MONITORING	Hardware
8.	22761A0288	PEETA DOLA SRINIVAS				
9.	23765A0222	MAREEDU VENKATA SAI				
10.	23765A0224	MOHAMMAD HUSSAIN				
11.	22761A0291	POTLACHERUVU KAVYA SRI	4	Dr.P.Sobha Rani	IOT-DRIVEN AUTONOMOUS PV PANEL CLEANING AND PREDICTIVE MAINTENANCE ENHANCED BY THERMAL IMAGING.	Hardware
12.	22761A0277	KASIMKOTA HIMA GEETHIKA				
13.	22761A0295	RAVULAPATI AAKASH				

14.	22761A02A3	TULLURU VENKATA LAKSHMI	5	Mr.Imran Abdul	AI ENABLED SMART IRRIGATION AND CROP DISEASE DETECTION SYSTEM USING IOT AND DEEP LEARNING	Hardware
15.	22761A0256	BANDI MANOJ KUMAR				
16.	23765A0218	JANNI VIJAY				
17.	22761A02A4	TUPAKULA SRUTHI KUMARI	6	Mr. R Anjaneyulu Naik	IOT ENABLED INTELLIGENT SMART ROOM AUTOMATION	Hardware
18.	22761A0280	MANDA VARDHAN BABU				
19.	22761A0273	JULURI NAGA TEJA SAI				
20.	22761A0290	POTHURAJU CHARITHA SRI	7	Mrs R.Padma	DESIGN AND IMPLEMENTATION OF A REAL - TIME STANDALONE WIRELESS LIBRARY MANAGEMENT SYSTEM FOR LBRCE CENTRAL LIBRARY USING ESP32 MICROCONTROLLER	Hardware
21.	22761A0267	GANAPAVARAPU YASHWANTH				
22.	22761A0284	MIDDE PAVAN PRASAD				
23.	22761A0281	MAREEDU VEERA SINDHURA	8	Dr.A.V.G.A Martanda	DESIGN AND IMPLEMENTATION OF SOLAR PANEL TRACKING SYSTEM AND AUTOMATIC TEMPERATURE CONTROL SYSTEM USING IOT	Hardware
24.	22761A0266	ELURI AMULYA				
25.	22761A0261	CHAPPIDI DEEPESH				
26.	22761A0297	SHAIK ABDUL RAHAMAN	9	Dr.K.R.L.Prasad	DESIGN AND IMPLEMENTATION OF A REAL-TIME MOTOR HEALTH MONITORING AND CONTROL SYSTEM BASED ON STM32, ESP8266, AND BLUETOOTH INTEGRATION	Hardware
27.	22761A0279	MALLURI LEELA SAI CHANDU				
28.	23765A0223	MODUGU SUDHEER				
29.	22761A0293	RAJULAPATI MANIKANTA	10	Dr.J.Siva Vara Prasad	SMART TRAFFIC SIGN RECOGNITION WITH IOT-BASED SPEED REGULATION AND ACCIDENT ALERT SYSTEM A SYSTEM	Hardware
30.	22761A0299	SHAIK KAL KOUSAR BEGUM				
31.	22761A0268	GOBBURI TRISHA				
32.	22761A0289	PERUMALLA NAVEEN TAGORE				
33.	22761A0265	DATLA JESHNA SREEYA VAISHNAVI				

34.	22761A0259	BOMMADEVARA SAI DEEKSHITHA	11	Mr.J.V.Pavan Chand	AI AND IOT BASED TRANSFORMER HEALTH MONITORING AND PREDICTIVE MAINTENANCE SYSTEM	Hardware
35.	22761A02A6	UYVALA PRIYANKA				
36.	22761A0257	BEJAVADA DINESH				
37.	22761A02A7	VEERAMSETTI ARUNA KUMARI	12	Mr.P.Deepak Reddy	IOT ENABLED DISSLOVE GAS ANALYSIS AND TRANSFORMER HEALTH MONITORING SYSTEM WITH INTELLIGENT CIRCUIT BREAKER	Hardware
38.	23765A0229	TALLURI LAXMI VENKATA AKHIL				
39.	22761A0270	INAPANURI NAVEEN KUMAR				
40.	23765A0216	BADISA KISHORE BABU	13	Dr.M.Uma Vani	DESIGN AND IMPLEMENTATAION OF A MACHINE LEARNING-ENABLED SOLAR PV MONITORING, FAULTDETECTION AND SELF HEALING SYSTEM	Hardware
41.	23765A0220	KURMAPU HEMANTH				
42.	23765A0227	SABHAVATH JAGADISH				
43.	22761A02A0	TATA CHARISHMA	14	Dr. B.Pangedaiah	AN OBSTACLE AVOIDANCE AND SCENE CLASSIFICATION FOR VISUALLY IMPAIRED USING RASPBERRY PI PICO W WITH IOT-BASED EMERGENCY ALERT.	Hardware
44.	23765A0226	PADISETTI SATYA SAI VENKATA DURGA				
45.	22761A02A9	VUYYURU KALI KRISHNA PRASANTH KUMAR				
46.	22761A0258	BODA PRAVALLIKA	15	Dr.G.Nageswara Rao	IOT-BASED FAULT DETECTION SYSTEM FOR EV BATTERY AND MOTOR	Hardware
47.	22761A0274	KALLA SASI SRI VAISHNAVI				
48.	22761A0292	PURANAM ANAND BABU				
49.	22761A02A5	UDDANDI NEETHU	16	Dr.K.Harindha Reddy	INTEGRATION AND POWER FLOW MANAGEMENT USING STATE OF CHARGE OF A HYBRID ELECTRIC VEHICLE	Hardware
50.	22761A0283	MENDE VIJAY CHANDU				
51.	22761A0287	NIMANI NAVEEN CHANDU				

52.	23765A0230	THANI KAVITHA	17	Mrs G.Tabita	IOT BASED SMART GRID WITH BUCK-BOOST CONVERTER FOR OVERLOAD DETECTION AND VOLTAGE STABILITY	Hardware
53.	22761A02A2	TULIMELLI CHANDRASEKHAR				
54.	23765A0217	INAKOLLU MOHANA MANIKANTA REDDY	18	Mr.A.V.Ravi Kumar	SMART SOLAR PV BASED EV CHARGING WITH EMBEDDED, ENERGY MANAGEMENT	Hardware
55.	23765A0219	KOMMURI BHANU PRASAD				
56.	22761A0276	KANCHERLA HEMANTH ARJUN				
57.	22761A0262	CHATRAJUPALLI JAYASRI	19	Mrs K.S.L.Lavanya	IOT ENABLED SMART MOTOR AND BATTERY MONITORING SYSTEM WITH GPS TRACKING FOR ELECTRIC VEHICLES	Hardware
58.	23765A0225	NAINAVARAPU HEMANTH KUMAR				
59.	22761A0275	KAMBHAMPATI HARISH BABU				
60.	22761A0264	DASARI PREETHI SARANYA	20	Dr.M.S.Giridhar	SOLAR ENERGY POWERED BY SMART HOME AUTOMATION AND ENERGY OPTIMIZATION USING IOT	Hardware
61.	22761A0294	RAJULAPATI SRUJANA				
62.	22761A0296	SARNALA HARI SIVA MANI KANTA				

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