



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

E-YANTRA LAB

Details of Student Activities during the A.Y.: 2019-20

- i) No.of Main Projects : 12
 ii) No.of Mini Projects : 19

Main Projects:

S. No.	Regd. No.	Project Title
1	16761A0241	Power Quality Sub metering using IoT
	17765A0205	
	16761A0257	
2	16761A0226	Multi-functional Androidbased Smart Home Control and Monitoring System
	17765A0208	
	16761A0212	
3	16761A0292	Autonomous Robot with GPS Navigation Control and Tracking System by Wireless Sensor Networks
	16761A02A1	
	16761A0274	
4	16761A02A4	Power Theft Detection using Arduino and GSM Technology
	16761A0289	
	16761A0297	
5	16761A0281	Smart Attendance System using Arduino and GSM
	16761A0275	
	16761A0290	
6	16761A0287	Underground Fault Detection using ARDUINO, GSM and GPS
	16761A0284	
	17765A0227	

7	16761A0295	Power Factor Correction using Arduino
	16761A02B5	
	16761A0296	
8	17765A0219	Industrial Automation with Raspberry Pi and IoT
	16761A02B1	
	16761A0268	
9	16761A0267	Smart Feeder using IoT
	17765A0224	
	16761A0261	
10	16761A0276	GSM and Bluetooth based Smart Noticing System
	16761A02A0	
	17765A0222	
11	17765A0221	Portable Solar Power Generation using Photovoltaic Blanket
	17765A0226	
	17765A0225	
12	16761A0271	Sensor based Automation and Control on Coal Handling Plant using PLC
	17765A0217	
	17765A0216	
	15761A0213	

Mini Projects:

S NO	ROLL NO	TITLE OF THE MINI PROJECT
1	17761A0259	Bluetooth Base Automation Switch Board
2	17761A0261	Fastest Finger First by Using Arduino
3	17761A0266	IoT base LPG gas detected using Arduino
4	17761A0268	Frequency Counter using Arduino display
5	17761A0270	Digital Voltmeter using Arduino
6	17761A0273	Heart Rate Monitoring using Arduino
7	17761A0276	Bluetooth controlled home automation
8	17761A0278	Password door locking system using Arduino
9	17761A0281	Fingerprint based attendance system using Arduino
10	17761A0283	LCD Based Voting machine using Arduino
11	17761A0285	Home automation using DTMF decoder
12	17761A0291	Robotic Arm using Arduino
13	17761A0292	Bidirectional Visitor counter using Arduino
14	17761A0294	Smart plant watering system using Arduino
15	17761A0296	Home automation using Arduino
16	17761A02A1	DC motor starter using Arduino
17	17761A02A7	Password control switch using Arduino
18	17761A02A8	Mini Radar using Arduino
19	17761A02B3	Arduino based text to speech converter