



# 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.: 2018-19

- i) No.of Main Projects : 11  
ii) No.of Mini Projects : 55

### Main Projects:

S.No	Regd.No	Project Title
1	16765A0213	Arduino based Home Automation using TV Remote
	15761A0215	
	16765A0224	
2	15761A0284	IoT Based Monitoring and Control system for Public Street Lighting
	15761A0217	
	15761A0296	
3	15761A0271	IoT based Border Monitoring and Controlling using Raspberry Pi
	15761A0232	
	15761A0257	
4	15761A0230	Robotic Arm using Arduino
	16765A0218	
	15761A02A2	
5	15761A0235	Smart irrigation system using IOT
	15761A0289	
	15761A0231	
6	15761A0228	Home Automation Using Arm 7 Microcontroller
	15761A0242	
	16765A0230	
7	16765A0202	Identification of Underground Cable Fault Location and Development based on IoT
	16765A0201	
	15761A0254	
8	15761A0288	Tracking of Moving Objects using IoT
	16765A0220	
	15761A0293	
9	15761A0299	Obstacle Avoiding Robot
	16765A0209	
	16765A0210	
10	15761A0225	IoT based Smart Energy Meter
	16765A0203	
	15761A0223	
11	15761A0267	Smart garbage monitoring system using IoT
	15761A0236	
	14761A0207	

### Mini Projects:

S NO	ROLL NO	TITLE OF THE MINI PROJECT
1.	16761A0202	CYMOMETER USING ARDUINO UNO
2.	16761A0274	HUMIDITY SENSOR ON ARDUNIO USING DHT 11 SENSOR
3.	16761A0229	VOICE CONTROLLED HOME AUTOMATION
4.	16761A0235	DISTANCE MEASUREMENT USING UTRASONIC SENSOR AND AURDINO
5.	17765A0219	SERVOMOTOR CONTROL USING AURDINO
6.	16761A0263	CONTROLLING MOTOR USING ARDUINO BY A CLAP
7.	16761A0292	VOICE CONTROLLED SOLAR VEHICLE USING ARDUINO
8.	16761A0205	ENERGY HARVESTING WITH PEIZOELECTRIC SENSOR USING ARDUINO
9.	16761A0219	SOLAR TRACKER USING ARDUINO
10.	16761A0220	<i>PROPELLER LED CLOCK BY USING AURDINO</i>
11.	16761A0221	DUMPSTER MONITORING SYSTEM USING ARDUINO
12.	16761A0222	QUIZZ BUZZER USING AURDINO
13.	16761A0223	ARDUINO BASED FIRE FIGHTING ROBOT
14.	16761A0242	PATIENT MONITORING SYSTEM USING IOT
15.	16761A0268	MICROCONTROLLER BASED GAS LEAK DETECTION AND PREVENTION SYSTEM
16.	16761A0271	SMART ENERGY USING ARDUINO
17.	16761A0272	HOME AUTOMATION USING ARDUINO & BLUETOOTH
18.	16761A02A4	SMART PLANT WATERING SYSTEM USING ARDUINO
19.	16761A02B1	SMART SWITCH USING PLC
20.	17765A0220	DC MOTOR STARTER USING AURDINO
21.	17765A0222	UNDER GROUND CABLE FAULT DETECTION USING AURDINO
22.	15761A0224	VOICE CONTROL CAR USING ARDUINO
23.	15761A0291	ROBOTIC ARM USING AURDINO
24.	16761A0207	AUTOMATIC STREE TLIGHT USING LDR AND ARDUINO
25.	16761A0217	FLOORE CLEANING ROBOT USING AURDINO
26.	16761A0243	ARDINO BASED WIRELESS ALARAM
27.	16761A0245	ARDINO WIRELESS DOOR BELL
28.	16761A0253	PASSWORD CONTROL SWITCH USING ARDUINO
29.	16761A0254	DIGITAL TAXI FARE METER BY USING ARDUINO
30.	16761A0256	CAR PARKING INDICATOR USING ARDUINO
31.	17765A0201	BLUETOOTH CONTROL ROBOT
32.	17765A0206	AUTOMATIC RAILWAY CRACK DETECTION SYSTEM USING ADURINO,GSM AND GPS MODULE
33.	17765A0210	ELECTRONIC VOTING MACHINE USING ARDUINO
34.	17765A0211	IOT BASED SMART JUNCTION BOX
35.	17765A0214	IOT BASED ELECTRICITY ENERGY METER USING ESP12 AND ARDUINO
36.	15761A0213	SPEED CONTROL OF DC FAN BY USING AN IR REMOTE
37.	15761A0214	IOT BASED ELECTRICITY ENERGY METER

38.	15761A0215	AURDINO BASED WIRELESS POWER METER
39.	16761A0277	RADAR USING ARDUINO AT MEGA 2560
40.	16761A0278	AUTOMATED USB CONTROLLED POWER SWITCH
41.	16761A0280	WATER DESPENSER CIRCUIT USING ARDUINO
42.	16761A0281	PIR SENSOR MOTION USING ARDUINO UNO BOARD
43.	16761A0285	SPEED CONTROL OF DC MOTOR USING AURDINO
44.	16761A0288	ULTRASONIC DISTANCE MEASUREMENT USING AURDINO
45.	16761A0294	CONTROLLING SERVO MOTOR USING ARDUINO AND ULTRASONIC SENSOR
46.	16761A0295	INTERFACE SOIL MOISTURE SENSOR WITH ARDUINO
47.	16761A0296	BIO-METRIC ATTENDANCE SYSTEM USING ARDUINO
48.	16761A0297	WATER LEVEL ALARAM USING AURDINO
49.	16761A0298	BLUETOOTH CONTROLLED ROBOTIC CAR USING ARDUINO
50.	17765A0224	IMPLEMENTING HEART BEAT SENSOR USING AURDUINO
51.	17765A0228	DOOR UNLOCKING BY KNOCKING PATTERN USING ARDUINO
52.	17765A0221	SOLAR TRACKING USING AURDINO
53.	16761A0203	8*8 SCROLLING TEXT MATRIX USING ARDUINO
54.	16761A0258	GAS LEAKED DEDECTION
55.	16761A0259	LINE FOLLOWING ROBOT USING ARDUINO UNO