



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.: 2020-21

- i) No.of Main Projects : 18
ii) No.of Mini Projects : 17

Main Projects:

S.No.	Regd. No.	Project Title
1	17761A0215	Home automation and regulation using IOT
	17761A0256	
	18765A0206	
2	17761A0229	Substation Monitoring and Control based on Microcontroller Using IOT
	17761A0248	
	18765A0212	
3	17761A0228	Fault Diagnosis of Industrial Monitoring and Controlling System
	17761A0227	
	17761A0204	
4	17761A0205	Identification of power theft using arduino, gsm, gps
	17761A0232	
	18765A0204	
5	17761A0218	IOT based Autonomous solar grasscutter
	17761A0242	
	17761A0246	
6	17761A0220	Smart Irrigation system and rainfall roofing system using IOT
	17761A0235	
	17761A0251	
7	17761A0206	IOT monitored brushless dc motor speed control using arduino
	18765A0208	
8	17761A0201	Over voltage and under voltage protection with GSM alert using microcontroller
	17761A0221	
	18765A0211	
9	17761A0202	Touch voice and gesture controlled smart wheel chair
	17761A0249	
	17761A0214	
	18765A0201	

10	17761A0259	Smart Home Automation System UsingIoT
	17761A0277	
	17761A0276	
11	17761A0294	Automatic Digital payment based Petrol Filling Station Using Raspberry pi
	18765A0218	
	17761A0279	
12	17761A0287	Implementation of smart car foraccident and theft detection using IOT
	17761A0273	
	17761A0298	
13	17761A02A4	IOT circuit breaker project using esp8266 and atmega328
	17761A0268	
	17761A02A0	
14	17761A02A9	Aurdino based automatic agriculturalsupport system
	17761A0267	
	17761A0272	
15	17761A02A2	Advanced shopping trolley system for automated billing using rfid
	17761A02B1	
	17761A0291	
16	17761A02A5	Implementation of iot based air and sound pollution monitoring system
	17761A02A7	
	17761A0285	
17	17761A0261	Design and implementation of automatic power supply from three different sources by usingmicrocontroller
	17761A0293	
	18765A0225	
18	17761A0274	IOT based SMART MIRROR
	17761A0296	
	18765A0216	
	17761A0265	

Mini Projects:

S NO	ROLL NO	TITLE OF THE MINI PROJECT
1.	18761A0235	CELLULAR PHONE CALLING DETECTOR
2.	18761A0212	MAGNETIC WALKING STICK USING REED SWITCHES
3.	19765A0213	MOBILE CHARGING ON COIN INSERTION BY USING AT MEGA MICROCONTROLLER
4.	18761A0224	IOT CONTROLLED LED USING FIRE BASE CONSOLE AND NODE MCU ESP 8266
5.	18761A0246	TWO WAY BLUETOOTH BASED AUTOMATION
6.	19765A0203	IOT BASED SMART ENERGY METER
7.	18761A0216	POLICE LIGHTS USING 555 TIMER
8.	18761A0227	PIR SENSOR BURGLAR ALARM SYSTEM USING 555 TIMER IC
9.	19765A0202	CLAP CONTROL HOME-AUTOMATION
10.	18761A0204	MAKE A "TOUCH SENSOR" USING 555 TIMER IC
11.	18761A0226	IOT CIRCUIT BREAKER
12.	18761A0238	FIRE FIGHTING ROBOT
13.	18761A0201	EDGE AVOIDING ROBOT USING ARDUINO
14.	18761A0222	LED CHASER USING IC 555 AND COUNTER 4017
15.	19765A0209	DISTANCE MEASURING USING ARDUINO
16.	18761A0208	OBSTACLE AVOIDING ROBOT
17.	18761A0215	THIRD EYE FOR THE BLIND USING ARDUINO MINI