

# SAPTHAGIRI COLLEGE OF ENGINEERING

svaraya Technological University, Belagavi  
CTE-New Delhi

NBA & NAAC with "A" Grade)

(ISO 9001:2015 & ISO 14001:2015 Certified Institute)

Department of Electrical and Electronics Engineering

BATCH LIST FOR MINI PROJECT

ACADEMIC YEAR 2021-22 EVEN

SEMESTER : VI	SECTION : A	USN	NAME	GUIDE	PROJECT TITLE
1	1	1SG19EE005	ANUPAMA D	Dr. G RAGHAVENDRA	FIRE FIGHTING ROBOT
2	2	1SG20EE402	BHUMIKA N		
3	3	1SG19EE023	CHINMAYE N		
4	4	1SG19EE043	KRUTHIKA J S		
5	5	1SG19EE012	BHARATH B	Mrs. REKHA S N	IOT BASED DOMOTICS
6	6	1SG19EE015	BHAVANA K S		
7	7	1SG20EE401	BHAVANA C		
8	8	1SG20EE404	CHANDRIKA V		
9	9	1SG18EE039	HEMASHREE S	Mr. DHAMODARAN A	Light Activated LDR Sensor Switch
10	10	1SG19EE024	CHITRASHREE DC		
11	11	1SG19EE038	K HEMA		
12	12	1SG19EE039	K M JANET EVANGELIN		
13	13	1SG19EE034	HANAMANT MARADI	Mrs. RAMYA M	ARDUINO BASED ULTRASONIC RADAR
14	14	1SG20EE400	ADITHYA P		
15	15	1SG20EE403	CHANDRASHEKARARE		
16	16	1SG20EE405	CHETHAN L		
17	17	1SG19EE009	ARPITHA G	Mr. YOUSUF MADAR R	GAS LEAKAGE DETECTOR
18	18	1SG19EE016	BHAVANA Y S		
19	19	1SG19EE018	BHOOMIKA A		
20	20	1SG19EE019	BHOOMIKA N		
21	21	1SG19EE006	ANUSHA R	Mrs. SWETHA G	ARDUINO BASED AUTOMATIC FAN
22	22	1SG19EE008	ARCHANA S B		
23	23	1SG19EE021	CHAITHRA B M		
24	24	1SG19EE040	KARUNA N		
25	25	1SG19EE010	AYYAPPA J		

*(Signature)*

Principal  
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Bengaluru - 560 057



26	1SG19EE031	GAGAN B R	Mr. SHIVARAJ A	ARDUINO UNOTRANSISTOR TESTER
27	1SG19EE033	GURUNANDAN S		
28	1SG19EE037	HEMANTH P A		
29	1SG19EE004	AKASH G J	Mr. MURALI KRISHNA K	MOBILE PHONE SIGNAL DETECTOR
30	1SG19EE013	BHARATH K H		
31	1SG19EE032	GIRISH E		
32	1SG19EE042	KRUTHIK L G	Mrs. SUMANGALA S JAMBALA	IOT BASED GARBAGE MONITOR SYSTEM
33	1SG18EE072	SANTHOSH REDDY G		
34	1SG19EE022	CHETHAN V		
35	1SG19EE027	DHARSHAN C S	Mrs. Preetha N P	Single axis solar tracking system
36	1SG19EE030	FAZLIL ABBAS AK		
37	1SG19EE017	BHAVYA S		
38	1SG19EE029	DIVYA N	Mrs. Malashree G	Automatic light fence with alarm
39	1SG19EE035	HARSHITHA C		
40	1SG19EE041	KEERTHI B R		
41	1SG19EE001	ABHIMANYU KUMAR	Mrs. SWETHA G	Turn ON/OFF 5V Relay module using Sound Sensor mod
42	1SG19EE014	BHARATH N		
43	1SG19EE025	CLEVIN PRAJWAL DSOUZA		
44	1SG19EE028	DILEEP B S	Mrs. SWETHA G	Turn ON/OFF 5V Relay module using Sound Sensor mod
45	1SG19EE002	ADVIKA SHIVANNA		
46	1SG19EE007	ANUSHREE HD		
47	1SG19EE011	B LALITHA	Mrs. SWETHA G	Turn ON/OFF 5V Relay module using Sound Sensor mod
48	1SG19EE036	HARSHITHA MJ		

Principal  
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# SAPTHAGIRI COLLEGE OF ENGINEERING

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## Department of Electrical and Electronics Engineering

### BATCH LIST FOR MINI PROJECT

ACADEMIC YEAR 2021-22 EVEN

SEMESTER : VI		SECTION : B		NAME	GUIDE	PROJECT TITLE
SL. NO	BATCH	USN				
1		1SG19EEE054		NUTHAN S M	Dr. G RAGHAVENDRA	IOT BASED WEATHER REPORTING SYS
2		1SG19EEE061		PUNITH KUMAR B		
3		1SG19EEE071		SNEHAS K T		
4	1	1SG19EEE079		VIGHNESH G		
5		1SG19EEE057		PAPPU KUMAR SAH	Mrs.REKHA S N	Height measurement device Using AR
6		1SG19EEE072		SONU KUMAR SHAH		
7		1SG19EEE086		YUKTHI V		
8	2	1SG20EEE408		RAJINI A J		
9		1SG19EEE060		PAJWAL V	Mr.DHAMODARAN A	Simulation on battery management u
10		1SG19EEE063		RANJITHA N		
11		1SG19EEE080		VIJAYALAKSHMI A BONGALE		
12	3	1SG19EEE085		VISHWAS M		
13		1SG19EEE048		MANOJ K M	Mrs.RAMYA M	Laser security system
14		1SG19EEE049		MANU S		
15		1SG19EEE058		PAVAN KUMR G		
16	4	1SG19EEE083		VINOD V		
17		1SG19EEE047		MANEESH R	Mr.YOUSUF MADAR R	IOT BASED HEALTH MONITORING SYS
18		1SG19EEE064		RAVI KIRAN K		
19		1SG19EEE065		REVANTH ARADHYA U		
20	5	1SG19EEE078		VEERESH S		
21		1SG19EEE074		SUDHARANI BHIMANNA KOTI		
22		1SG19EEE081		VIMALA N		
23		1SG19EEE087		CHANDAN KUMAR N		

*(Signature)*

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24	6	1SG20EE406	DHANANJAYA B N	Mr. SHIVARAJ A	AUTOMATIC CAR PARKING SYSTEM
25		1SG20EE407	PUNITH KUMAR M N		
26		1SG20EE409	RAKESH D R		
27		1SG20EE410	SHIVARAJA M P	Mr. MURALI	
28	7	1SG20EE411	SHIVAREDDY N.S.	KRISHNA K	STRESS LEVEL DETECTION USING GALV
29		1SG19EE046	M JAYASHRI		
30		1SG19EE062	RAKSHITHA S D		
31		1SG19EE066	REVATHI S	Mrs. SUMANGALA S	
32	8	1SG19EE077	VATHSALA R	JAMBLI	ACCURATE ROOM TEMPERATURE CO

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A-1

VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
JNANASANGAMA, BELGAVI – 590018.



**REPORT ON MINI PROJECT TITLED**

**“FIRE FIGHTING ROBOT”**

*Submitted in the partial fulfilment for the award of the degree of*

**BACHELOR OF ENGINEERING**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

<b>ANUPAMA D</b>	<b>1SG19EE005</b>
<b>CHINMAYE N</b>	<b>1SG19EE023</b>
<b>KRUTHIKA J S</b>	<b>1SG19EE043</b>
<b>BHUMIKA N</b>	<b>1SG20EE402</b>

*Under the supervision of*

**Dr. G RAGHAVENDRA**

Associate Prof, Dept. of EEE



**For the Academic year of 2021 – 2022**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**(ACCREDITED BY NBA)**

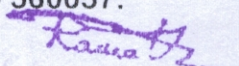
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**(ACCREDITED BY NAAC WITH “A” GRADE)**

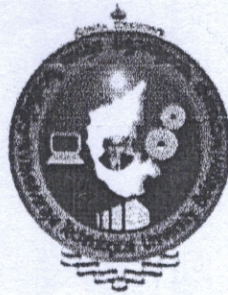
  
Principal  
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Bengaluru - 560 057



2

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANASANGAMA, BELGAVI – 590018.



**REPORT ON MINI PROJECT TITLED**

**“IOT BASED DOMOTICS”**

*Submitted in the partial fulfilment for the award of the degree of*

**BACHELOR OF ENGINEERING**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

**BHARATH B            1SG19EE012**

**BHAVANA K S        1SG19EE015**

**BHAVANA C           1SG20EE401**

**CHANDRIKA V        1SG20EE404**

*Under the supervision of*

**Dr. REKHA S N**

Associate Prof, Dept. of EEE



*Principal*  
**Sapthagiri College of Engineering**  
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Bengaluru - 560 057

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No. 14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



## Department of ELECTRICAL AND ELECTRONICS ENGINEERING

### MINI PROJECT REPORT ON

### “RGB LED MATRIX USING ARDUINO”

Submitted by

NAME  
HEMASHREE S  
CHITRASHREE DC  
K HEMA  
K M JANET

USN  
1SG18EE039  
1SG19EE024  
1SG19EE038  
1SG19EE039

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
JNANASANGAMA, BELGAVI – 590018.



**REPORT ON MINI PROJECT TITLED**  
**ARDUINO BASED ULTRASONIC RADAR**  
Submitted in the partial fulfilment for the award of the degree of  
**BACHELOR OF ENGINEERING**  
**IN**  
**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

**ADITHYA P- (1SG20EE400)**  
**HANMANT MARADI -(1SG19EE034)**  
**CHETHAN L -(1SG20EE405)**  
**CHANDRASHEKHARAREDDY S H (1SG20EE403)**

*Under the supervision of*

**NAME OF THE GUIDE: Mrs RAMYA M**

Designation, Dept. of EEE



**For the Academic year of 2021 – 2022**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
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## Department of ELECTRICAL AND ELECTRONICS ENGINEERING

### MINI PROJECT REPORT ON “GAS LEAKAGE DETECTOR”

Submitted by

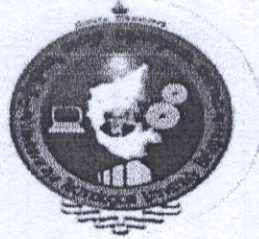
NAME  
ARPITHA G  
BHAVANA Y S  
BHOO MIKA A  
BHOO MIKA N

USN  
1SG19EE009  
1SG19EE016  
1SG19EE018  
1SG19EE019

Principal  
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Bengaluru - 560 057



VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
JNANASANGAMA, BELGAVI – 590018.



**SYNOPSIS ON MINI PROJECT TITLED**  
**“ARDUINO BASED AUTOMATIC FAN”**

*Submitted in the partial fulfilment for the award of the degree of*

**BACHELOR OF ENGINEERING**  
**IN**  
**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

**ANUSHA R - 1SG19EE006**  
**ARCHANA SB - 1SG19EE008**  
**CHAITHRA BM - 1SG19EE021**  
**KARUNA N - 1SG19EE040**

*Under the supervision of*

**Mrs. Ramya M**  
Prof., Dept. of EEE



*Ramya*  
Principal  
**Sapthagiri College of Engineering**  
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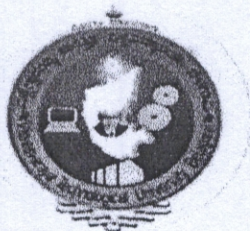
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JNANASANGAMA, BELGAVI – 590018.



**SYNOPSIS ON MINI PROJECT TITLED**  
**“ARDUINO UNO TRANSISTOR TESTER”**

*Submitted in the partial fulfilment for the award of the degree of*

**BACHELOR OF ENGINEERING**  
**IN**  
**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

AYYAPPA J	1SG19EE010
GAGAN BR	1SG19EE031
GURUNANDAN S	1SG19EE033
HEMANTH PA	1SG19EE037

*Under the supervision of*

**Mr. Shivaraj A**  
Prof., Dept. of EEE



*Principal*  
**Sapthagiri College of Engineering**  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560057

**For the Academic year of 2021 – 2022**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
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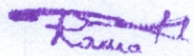
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## Department of ELECTRICAL AND ELECTRONICS ENGINEERING

### MINI PROJECT SYNOPSIS ON “MOBILE PHONE SIGNAL DETECTOR”

NAME	<u>Submitted by</u>	USN
Akash G J		1SG19EE004
Bharath K H		1SG19EE013
Girish E		1SG19EE032
Kruthik L G		1SG19EE042

  
Principal  
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Bengaluru - 560 057



VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
JNANASANGAMA, BELGAVI – 590018.



**SYNOPSIS ON MINI PROJECT TITLED  
“IOT BASED GARBAGE MONITOR SYSTEM”**

*Submitted in the partial fulfilment for the award of the degree of*

**BACHELOR OF ENGINEERING  
IN  
ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

**SANTOSH REDDY -1SG18EE072  
CHETHAN V -1SG19EE022  
DHARSHAN -1SG19EE027  
FAZLIL ABBAS AK -1SG19EE030**

*Under the supervision of*

**Ms Sweetha G**  
Prof., Dept. of EEE



**For the Academic year of 2021 – 2022  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
SAPTHAGIRI COLLEGE OF ENGINEERING**

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SYNOPSIS

*Ramath*  
Principal  
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Bengaluru - 560 057



# SAPTHAGIRI COLLEGE OF ENGINEERING

No. 14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



## Department of ELECTRICAL AND ELECTRONICS ENGINEERING

### MINI PROJECT REPORT

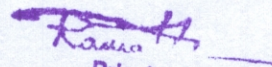
ON

## “SINGLE AXIS SOLAR TRACKING SYSTEM USING ARDUINO”

Submitted by

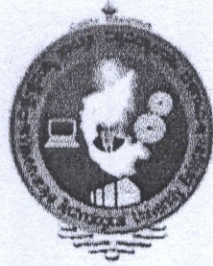
NAME  
Bhavya S  
Divya N  
Harshitha C  
Keerthi B R

USN  
1SG19EE017  
1SG19EE029  
1SG19EE035  
1SG19EE041

  
Principal  
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Bengaluru - 560057



VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
JNANASANGAMA, BELGAVI – 590018.



**REPORT ON MINI PROJECT TITLED**  
**“AUTOMATIC FENCE LIGHTING CIRCUIT WITH ALARM”**

*Submitted in the partial fulfilment for the award of the degree of*

**BACHELOR OF ENGINEERING**  
**IN**  
**ELECTRICAL AND ELECTRONICS ENGINEERING**

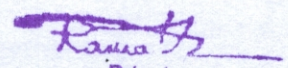
*Submitted by*

**BHARATH N-1SG19EE014**  
**CLEVIN PRAJWAL DSOUZA-1SG19EE025**  
**DILEEP B.S-1SG19EE028**  
**ABHIMANYU KUMAR-1SG19EE001**

*Under the supervision of*

**Mr.AKSHAY KUMAR D**  
**ASSISTANT PROFESSOR**  
**ELECTRICAL AND ELECTRONICS DEPARTMENT**  
**SCE,BANGALORE**



  
Principal  
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# SAPTHAGIRI COLLEGE OF ENGINEERING

No. 14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



Department of ELECTRICAL AND ELECTRONICS  
ENGINEERING

## MINI PROJECT REPORT ON

### “5V RELAY MODULE USING SOUND SENSOR (ARDUINO UNO)”

Submitted by

NAME

USN

ADVIKA SHIVANNA

1SG19EE002

ANUSHREE HD

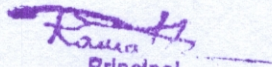
1SG19EE007

B LALITHA

1SG19EE011

HARSHITHA MJ

1SG19EE036

  
Principal  
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14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560057



VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
JNANASANGAMA, BELGAVI - 590018.



**SYNOPSIS ON MINI PROJECT TITLED**  
**"IOT BASED WEATHER REPORTING SYSTEM"**

*Submitted in the partial fulfilment for the award of the degree of*  
**BACHELOR OF ENGINEERING**  
**IN**  
**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

**NUTHAN S M - 1SG19EE054**  
**PUNITH KUMAR B - 1SG19EE061**  
**SNEHAS K T - 1SG19EE071**  
**VIGNESH G - 1SG19EE079**

*Under the supervision of*

**DR.G.RAGHAVENDRA**  
Asst. professor, Dept. of EEE



**For the Academic year of 2021 - 2022**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
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(ACCREDITED BY NAAC WITH "A" GRADE & NBA)

*Ramesh H.*  
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Bengaluru - 560 057



# SAPTHAGIRI COLLEGE OF ENGINEERING

No. 14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



## Department of ELECTRICAL AND ELECTRONICS ENGINEERING

### MINI PROJECT REPORT

ON

### “HEIGHT MEASUREMENT DEVICE USING ARDUINO”

Submitted by

NAME	USN
YUKTHI V	1SG19EE086
RAJINI	1SG20EE408
SONU KUMAR SHAH	1SG19EE072
PAPPU KUMAR SAH	1SG20EE057

Principal

Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru-560057



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**  
**JNANASANGAMA, BELGAVI – 590018.**



**SYNOPSIS OF MINI PROJECT TITLED**  
**“SIMULATION ON BATTERY MANAGEMENT USING PASSIVE CELL**  
**BALANCING”**

*Submitted in the partial fulfilment for the award of the degree of*

**BACHELOR OF ENGINEERING**  
**IN**  
**ELECTRICAL AND ELECTRONICS ENGINEERING**

*Submitted by*

**PRAJWAL V – 1SG19EE060**  
**RANJITHA N – 1SG19EE063**  
**VIJAYALAKSHMI A BONGALE – 1SG19EE080**  
**VISHWAS M – 1SG19EE085**


*Under the supervision of*

**Mr . A DAMODHARAN**

Assistant professor, Dept. of EEE



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Principal  
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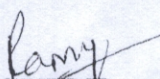
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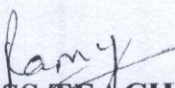


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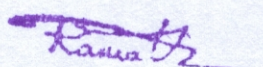
### MINI PROJECT REPORT ON “LASER SECURITY SYSTEM”

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**REPORT ON MINI PROJECT TITLED**  
**"IOT BASED HEALTH MONITORING SYSTEM"**

*Submitted in the partial fulfilment for the award of the degree of*

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**IN**  
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**For the Academic year of 2021 – 2022**

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**REPORT ON MINI PROJECT TITLED  
“ AUTOMATIC CAR PARKING SYSTEM ”**

*Submitted in the partial fulfilment for the award of the degree of*

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B-8

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**REPORT ON MINI PROJECT TITLED**  
**“STRESS LEVEL DETECTION USING GALVANIC SKIN RESISTANCE”**  
Submitted in the partial fulfilment for the award of the degree of  
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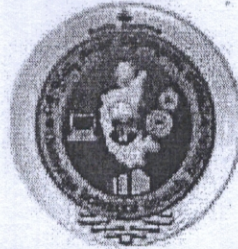


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**REPORT ON MINI PROJECT TITLED**  
**“ ACCURATE ROOM TEMPERATURECONTROLLER”**

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