



SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST ®
SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

(Accredited by NAAC with "A" GRADE)

(ISO 9001:2015 and 14001:2015 Certified)

Department of Electrical and Electronics Engineering

MINI PROJECT BATCH LIST 2020-21

YEAR:III			SEC:A	
SL.NO	ATCH N	STUDENT NAME	USN	TITLE
1	A1	ANIRUDH BK	ISG18EE006	AUTOMATIC IRRIGATION SYSTEM USING MOISTURE SENSOR
2		ANSHU	ISG18EE007	
3		BHARATH J	ISG18EE016	
4		GURUKIRAN V	ISG18EE033	
5	A2	DEVARINTI KEERTHI	ISG18EE029	FIRE FIGHTING ROBOT
6		AKSHATHA G	ISG18EE002	
7		DEEPIKA N	ISG17EE021	
8		HARSHITHA V	ISG18EE038	
9	A3	ASHUTHOSH SINGH	ISG18EE011	SOLAR TRACKER
10		ABHIJEET PRASAD	ISG18EE001	
11		BALASURYA S	ISG18EE013	
12		HARSHITH MS	ISG18EE035	
13	A4	ARJUN R	ISG18EE010	EYE MONITORING SYSTEM FOR FATIGUE SLEEP DETECTION
14		CHELUVARAMA S	ISG18EE022	
15		CETHAN GOWDA GT	ISG18EE025	
16		DARSHAN P	ISG18EE028	
17	A5	CETHAN GN	ISG18EE024	TESLA COIL
18		D MANOJ KUMAR	ISG18EE027	
19		DHARMARAJ HT	ISG18EE030	
20		HARSHA M	ISG18EE034	
21	A6	AMRUTHA R	ISG18EE005	ARDIUNO CAR REVERSE PARKING SENSOR
22		CHAITRA N	ISG18EE018	
23		HARSHITHA AB	ISG18EE036	
24		MAHALAKSHMI BR	ISG18EE046	
25	A7	ANUSHA H	ISG18EE009	HOME AUTOMATION USING BLUETOOTH
26		ANUPRIYA S	ISG18EE008	
27		BHUMIKA S KUMAR	ISG18EE017	
28		HARSHITHA V	ISG18EE037	
29	A8	BALAJI A	ISG18EE014	ACCIDENT DETECTION AND ALERT SYSTEM USING GSM ,GPS AND ACCEROMETER
30		BHARATH BR	ISG18EE015	
31		CHARAN O	ISG18EE021	
32		KIRAN S	ISG18EE042	
33	A9	J S HARITHA	ISG18EE040	TRAFFIC LIGHT CONTROL USING IC4017 AND IC555
34		KRUTHIKA HM	ISG18EE043	
35		MADHURIMA A	ISG18EE045	
36	A10	ANKITH SHARMA	ISG19EE400	TEMPERATURE BASED FANS SPEED CONTROL AND MONITORING USING ARDIUNO
37		DARSHAN T	ISG19EE404	
38		MARUTHESH KUMAR TM	ISG19EE407	
39		MUJAHID HUSAIN	ISG19EE409	
40	A11	CHANDANA DR	ISG19EE401	LED FLASHOVER CIRCUIT USING 555 TIMER
41		DIVYA NR	ISG18EE031	
42		GANAVI NH	ISG18EE032	
43		CHANDANA VASANTH	ISG18EE020	

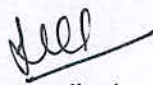
Principal

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Bengaluru - 567

44	A12	KALPANA P	ISG19EE406	VOLTAGE GENERATION USING PEIZO ELECTRIC SENSOR
45		MEGHANA MR	ISG19EE408	
46		POOJA NAGESH	ISG19EE411	
47	A13	CHANDAN KS	ISG18EE019	FIRE CONTROL SYSTEM
48		CHEETHAN B	ISG18EE023	
49		CHIRAG KS	ISG18EE026	
50	A14	AKSHAY DEVADATT	ISG18EE003	HEART RATE MONITORING SYSTEM USING 8051 MICROCONTROLLER
51		JAYAVARDHAN	ISG18EE041	
52		LOHITH TK	ISG18EE044	
53		AMOGH GIRISH K	ISG18EE004	
54	A15	CHIRAG BV	ISG19EE403	GSM CONTROLLED MOTOR STARTER
55		CHEETHAN KUMAR	ISG19EE402	
56		NISHANK V	ISG19EE410	
57		ESWAR KAMBAR	ISG19EE405	
58	A16	PRANJAL LAHARI	ISG15EE063	WATER LEVEL DETECTOR
59		SAI TEJA R	ISG18EE415	
60		POOJA P K	ISG18EE413	
61		KEERTHI S K	ISG17EE032	


Co-ordinator


HOD,EEE

PROF & HOD

Department of Electrical & Electronics Engineering
Sapthagiri College of Engineering
Bengaluru - 560057



Principal
Sapthagiri College of Engineering
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Bengaluru - 560 057



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Department of Electrical and Electronics Engineering

MINI PROJECT BATCH LIST 2020-21

YEAR:III			SEC:B	
SL.NO	BATCH NO	STUDENT NAME	USN	TITLE
1	B1	SRIDHAR. B.	1SG18EE082	ULTRASONIC RADAR
2		SUDHAN SUHAS	1SG18EE085	
3		SRINIVAS BHAT	1SG18EE083	
4		YASHWANTH R	1SG18EE093	
5	B2	NARAYAN VASIST	1SG18EE051	DIGITAL CLOCK USING ARDIUNO UNO
6		NAVEEN KUMAR C V	1SG18EE052	
7		NEHA G PRASHANTH	1SG18EE053	
8		PRIYANKA R	1SG18EE058	
9	B3	POSHAK M	1SG19EE412	AUDIUNO BASED FIRE FIGTING ROBOT
10		SHANKAR V	1SG19EE416	
11		SRINIVAS T	1SG19EE421	
12		THEJESH M B	1SG19EE422	
13	B4	SINDHU N	1SG18EE077	CLAP SENSITIVE SWITCH
14		ROOPASHREE S	1SG18EE065	
15		SINCHANA R	1SG18EE076	
16		SNEHA V	1SG18EE078	
17	B5	NANDEESH G	1SG18EE050	SMART IRRIGATION USING ARDUINO MOISTURE SENSOR AND WATER PUMP
18		RAGHAVENDRA K S	1SG18EE060	
19		RAHUL C	1SG18EE061	
20		S.G MOHITH GOWDA	1SG18EE066	
21	B6	PAIKSHIT. K.	1SG18EE055	MINI FM TRANSMITTER
22		RAKESH N	1SG18EE063	
23		SANDEEP K	1SG18EE071	
24		UJWAL P G	1SG18EE089	
25	B7	SAHANA H UCHIL	1SG18EE068	AUTOMATED DOOR BELL SENSOR
26		SHARATH Y V	1SG18EE075	
27		SNEHA P R	1SG18EE079	
28		VISHAL VINAYAK KADAM	1SG19EE423	
29	B8	RAJATH N GOWDA	1SG18EE062	MEASUREMENT OF HEIGHT USING ULTRASONIC SENSOR AND ARDUINO
30		SATHISH D G	1SG18EE073	
31		SATISH N B	1SG18EE074	
32		VISHWANATHAREDDY HOSAGOWDRA	1SG18EE092	
33	B9	RAKSHITHA T K	1SG19EE414	BLUETOOTH BASED ON HOME AUTOMATION USING ARDUINO
34		SHEETHAL S	1SG19EE418	
35		SHREE LAKSHMI K	1SG19EE419	
36		NIKHIL GOWDA JS	1SG18EE411	
37	B10	SAHANA N L	1SG18EE069	LASER LIGHT SECURITY SYSTEM
38		RAKSHA MOHAN	1SG18EE078	
39		SRUJANA V HUGAR	1SG18EE084	
40		PURUSHOTHAM E	1SG18EE059	
41	B11	SUMANTH S	1SG18EE086	TEMPERATURE BASED FAN SPEED CONTROL WITH ARDUINO UNO
42		SUMANTH J	1SG18EE087	
43		YOGANARASIMHA D L	1SG18EE094	
44		SAMYAMA S	1SG18EE070	


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45	B12	SPOORTHIN	ISG18EE081	GAS AND SMOKE DETECTOR
46		SUSHMITHA G	ISG18EE088	
47		VEENA S	ISG18EE091	
48	B13	NISARGA P	ISG18EE054	LI-FI TECHNOLOGY
49		SOWMYA L	ISG18EE080	
50		S SAHANA	ISG18EE067	
51		UMADEVI M	ISG18EE090	
52	B14	MITHUN KUMAR A C	ISG18EE048	ENERGY GENERATION USING MAGNETIC COIL
53		PRAJWAL R	ISG18EE056	
54		RAKESH M H	ISG19EE413	
55	B15	SHANKAR H N	ISG19EE415	WATER LEVEL CONTROLLER
56		SHARAN KUMAR S	ISG19EE417	
57		SHUSHANTH O	ISG19EE420	
58		KIRAN K R	ISG18EE403	


Co-ordinator


HOD,EEE

PROF & HOD

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Principal
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Bengaluru - 560 057


SAPTHAGIRI COLLEGE OF ENGINEERING

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CERTIFICATE

This is to certify that the mini project work entitled "Automatic Irrigation System using Moisture Sensor " carried out by **Gurukiran V, Bharath J, Anshu, Anirudh B K** students of 5th semester in department of Electrical and Electronics Engineering during the academic year 2020-2021


Signature of the Guide

Dr. Narayanappa

Professor
Dept. Of EEE


Signature of the HOD

Dr. K.N. Ravi

Professor & H.O.D
(Head of the Dept., EEE)


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CERTIFICATE

This is to certify that the mini project work entitled“ FIRE FIGHTING ROBOT ” carried out by

AKSHATHA G [1SG18EE002]

DEVARINTI KEERTHI [1SG18EE029]

HARSHITHA V [1SG18EE038]

DEEPIKA N [1SG17021]

bona fide students of **V semester** in department of **Electrical and Electronics Engineering** during the academic year 2020-2021

Signature of the Guide

Dr. G. Raghavendra

Assoc. Professor
Dept of EEE

Signature of the HOD

Dr. K.N. Ravi

Professor & H.O.D
Dept of EEE

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CERTIFICATE

This is to certify that the mini project work entitle "SOLAR TRACKER " carried out by , **BALASURYA S** bearing USN [1SG18EE013] , **ABHIJEET PRASAD** bearing USN [1SG18EE001], **ASHUTHOSH SINGH** bearing USN[1SG18EE011], **HARSHITH M S** bearing USN[1SG18EE035], bonafide students of **5th Semester** in department of **Electrical and Electronics Engineering** during the academic year 2020-2021


Signature of the Guide

Mrs . S.N. Rekha

Asst Professor
Dept Of EEE


Signature of the HOD

Dr. K.N. Ravi
Professor & H.O.D
(Head of the Dept , EEE)


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CERTIFICATE

This is to certify that the mini project work entitled "EYE MONITORING SYSTEM FOR FATIGUE SLEEP DETECTION" carried out by CHELUVARAMA S bearing USN [1SG18EE022], ARJUN R bearing USN [1SG18EE010], CHETHAN GOWDA G T bearing USN [1SG18EE025], DARSHAN P bearing USN [1SG18EE028] bonafide students of 5th semester in department of **Electrical and Electronics Engineering** during the academic year 2020-2021.

Signature of the Guide

Mr A Dhamodaran

Asst. Professor

Dept. of EEE

Signature of the HOD

Dr. K.N. Ravi

Professor & H.O.D

(Head of the Dept.,EEE)

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CERTIFICATE

This is to certify that the mini project work entitled "TESLA COIL " carried out by **HARSHA M, CHETHAN G N, DHARMARAJ H T, D MANOJ KUMAR** bearing **1SG18EE034, 1SG18EE024, 1SG18EE030, 1SG18EE027** bonafide students of ⁵semester in department of Electrical and Electronics Engineering during the academic year 2020-2021

Signature of the Guide
Mr RUKMANGADA

Asst. Professor
Dept. Of EEE

Signature of the HOD

Dr. K.N. Ravi
Professor & H.O.D
(Head of the Dept., EEE)

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CERTIFICATE

This is to certify that the mini project work entitled “ **ARDUINO CAR REVERSE PARKING SENSOR** ” carried out by **AMRUTHA.R [1SG18EE005], CHAITRA.N [1SG18EE018], HARSHITHA.A.B [1SG18EE036], MAHALAKSHMI.B.R [1SG18EE046]**, bona fide students of **5TH semester** in department of **Electrical and Electronics Engineering** during the academic year 2020-2021

Jhansi
20/1/21
Signature of the Guide
Mrs .JHANSI.K
Asst. Professor
Of EEE

K.N. Ravi
Signature of the HOD
Dr. K.N. Ravi
Professor & H.O.D Dept.
(Head of the Dept., EEE)

[Signature]
Principal
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CERTIFICATE

This is to certify that the mini project work entitled "HOME AUTOMATION USING BLUETOOTH" carried out by **ANUPRIYA.S** bearing **1SG18EE008**, **ANUSHA.H** bearing **1SG18EE009**, **BHUMIKA.S.KUMAR** bearing **1SG18EE017**, **HARSHITHA.V** bearing **1SG18EE037**, bona fide students of **FIFTH** semester in department of **Electrical and Electronics Engineering** during the academic year 2020-2021

Ramya 20/01/2021
Signature of the Guide

Mrs . Ramya.M

Asst. Professor
Dept. Of EEE

K.N. Ravi
Signature of the HOD

Dr. K.N. Ravi

Professor & H.O.D
(Head of the Dept., EEE)

B

Principal

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

Department of Electrical and Electronics Engineering



CERTIFICATE

This is to certify that the mini-project entitled "Accident Detection and Alert System using GSM, GPS and Accelerometer" carried out by **Balaji A** bearing USN [1SG18EE014], **Bharath B R** bearing USN [1SG18EE015], **Charan O** bearing USN [1SG18EE021] and **Kiran S** bearing USN [1SG18EE042], bona fide students of 5th Semester in the Department of Electrical and Electronics Engineering during the academic year 2020-21.


21/11/21

Signature of the Guide

Mr. Yousuf Madar

Assistant Professor

Department of EEE



Principal

Sapthagiri College of Engineering
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Bengaluru - 560 057



Signature of the HOD

Dr. K.N. Ravi

Professor & H O D

(Head of the Dept., EEE)

2020-21

Department of Electrical and Electronics Engineering, SCE

SAPTHAGIRI COLLEGE OF ENGINEERING

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



CERTIFICATE

This is to certify that the mini project work entitle "TRAFFIC LIGHT CONTROL USING IC4017 & IC555" carried out by **J. S. HARITHA** bearing USN [1SG18EE040], **KRUTHIKA H M** bearing USN [1SG18EE043] & **MADURIMA ACHARYA** bearing USN [1SG18EE045], bona fide students of **fifth semester** in department of **Electrical and Electronics Engineering** during the academic year 2020-2021

Signature of the Guide

Mrs .Divya N S

Asst. Professor
Dept. Of EEE

Principal

Sapthagiri College of Engineering
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Bengaluru - 560 057

Signature of the HOD

Dr. K.N. Ravi

Professor & H.O.D
(Head of the Dept., EEE)

SAPTHAGIRI COLLEGE OF ENGINEERING


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CERTIFICATE

This is to certify that the mini project work entitled
“Temperature Based Fan Speed Control & Monitoring Using Arduino”
carried out by **name** bearing USN, **name** bearing USN , bonafide students of
V semester in department of **Electrical and Electronics Engineering** during
the academic year 2020-2021

NAME	USN
1. ANKITH SHARMA	1SG19EE400
2. DHARSHAN T	1SG19EE404
3. MARUTHESH KUMAR T.M	1SG19EE407
4. MUJAHD HUSAIN	1SG18EE409


Signature of the Guide
Mrs. Swetha G
Asst. Professor
Dept. Of EEE


Principal
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Signature of the HOD
Dr. K.N. Ravi
Professor & H.O.D
(Head of the Dept., EEE)

SAPTHAGIRI COLLEGE OF ENGINEERING


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



CERTIFICATE

This is to certify that the mini project work entitled


LED FLASHER CIRCUIT USING 555 TIMER” carried out by
CHANADANA VASANTH [1SG18EE020], DIVYA N R [1SG18EE031],
GANAVI N H [1SG18EE032], CHANDANA D R [1SG19EE401] bona fide
students of **V semester** in department of **Electrical and Electronics**
Engineering during the academic year 2020-2021


Signature of the Guide

ASHWINI A V

Asst. Professor
Dept. Of EEE


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Signature of the HOD

Dr. K.N. Ravi

Professor & H.O.D
Dept of EEE

SAPTHAGIRI COLLEGE OF ENGINEERING

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



CERTIFICATE

This is to certify that the mini project work entitled " Voltage Generation using Peizo Electric Sensor" carried out by **Kalpana P (SG19EE406), Meghana MR (1SG19EE408), Pooja Nagesh(1SG19EE411)**, bonafide students of **5th semester** in department of **Electrical and Electronics Engineering** during the Academic Year 2020-2021.

Signature of the Guide
Mr, Mahavishnu K P B

Asst. Professor
Dept. Of EEE

Signature of the HOD

Dr. K.N. Ravi

Professor & H.O.D
(Head of the Dept. EEE)

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13/2
FOR THE ACADEMIC YEAR 2020-21


SAPTHAGIRI COLLEGE OF ENGINEERING

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CERTIFICATE


This is to certify that the mini project work entitled
“FIRE CONTROL SYSTEM” carried out by **CHIRAG K S**
[1SG18EE026], **CHANDAN K S** [1SG18EE019], **CHETHAN B**
[1SG18EE023], bona fide students of **V semester** in department of
Electrical and Electronics Engineering during the academic year 2020-2021


Signature of the Guide

Murali Krishna

Asst. Professor
Dept of EEE


Principal
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Signature of the HOD
Dr. K.N. Ravi
Professor & H.O.D
Dept of EEE

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CERTIFICATE

This is to certify that the mini project work entitled “Heart Rate Monitoring System Using 8051 Microcontroller” carried out by **Akshay Devadatt. N. C, Amogh. G. Kuikarni** and **Jayavardhan. J. Jogottu, Lohith. T. K** bearing USN [1SG18EE003, 1SG18EE004, 1SG18EE041, 1SG18EE044], bona fide students of **Fifth (V) semester** in department of **Electrical and Electronics Engineering** during the academic year **2020-2021**


Signature of the Guide


Mrs. Preetha N. P

Asst. Professor
(Dept. Of EEE)



Principal

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Signature of the HOD

Dr. K. N Ravi

Professor and HOD
(Dept. Of EEE)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

bearing USN(1SG19EE410)

Certified that the MINI PROJECT entitled “GSM CONTROLLED MOTOR STARTER” is carried out by CHETHANKUMAR M M, bearing USN(1SG19EE402), CHIRAG BV bearing USN(1SG19EE403), NISHANK V bearing USN(1SG19EE410), ESWAR KAMBAR bearing USN(1SG19EE405) bonafide student of “V” semester in the Department of Electrical and Electronics Engineering during the academic year 2020-21.


Sign. of the Internal Guide

Mr. SHIVARAJ R
Assistant Professor, Dept. of EEE



Signature of the HOD
Dr. K N RAVI
Professor & H.O.D of EEE



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CERTIFICATE

This is to certify that the mini project work entitled
“WATER LEVEL DETECTOR” carried out by **PRANJAL LAHIRI**
bearing USN [1SG15EE063], **POOJA PK** bearing USN [1SG18EE413], **SAI**
TEJA R bearing USN [1SG18EE415] bona fide students of “V” semester in
department of **Electrical and Electronics Engineering** during the academic
year 2020-2021

Signature of the Guide

Mr. BHARATH B N

*Asst. Professor
Dept. Of EEE*

Signature of the HOD

Dr. K.N. Ravi

*Professor & H.O.D
(Head of the Dept., EEE)*

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CERTIFICATE

This is to certify that the mini project work entitled
“Ultrasonic Radar [HC SR04 Ultrasonic Sensor]” carried out by
YASHWANTH R (1SG18EE093), SRIDHAR B (1SG18EE082),
SRINIVAS BHAT (1SG18EE083), SUDHAN SUHAS (1SG18EE085)
Bona-fide students of V semester in department of Electrical and
Electronics Engineering during the academic year 2020-2021

Harshita M R
21/11/2021

Signature of the Guide
Mrs . HARSHITA M R

Asst. Professor
Dept. Of EEE

B

Principal
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Kai

Signature of the HOD

Dr. K.N. Ravi

Professor & H.O.D
Head of the Dept., EEE

FOR THE ACADEMIC YEAR 2020-21

SAPTHAGIRI COLLEGE OF ENGINEERING

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



CERTIFICATE

This is to certify that the mini project work entitled "DIGITAL CLOCK USING ARDUINO UNO" carried out by bearing USN [1SG18EE051, 1SG18EE052, 1SG18EE053, 1SG18EE058] bon fide students of **fifth semester** in department of **Electrical and Electronics Engineering** during the academic year 2020-2021

Signature of the Guide

Mrs . Sumangala S Jmabli Dr. K.N. Ravi

Asst. Professor

Dept. Of EEE(Head of the Dept., EEE)

Principal

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Signature of the HOD

Professor & H.O.D

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CERTIFICATE

This is to certify that the mini project work entitled "**ARDUINO BASED FIRE FIGHTING ROBOT**" carried out by **Poshak M [1SG19EE412]**, **Shankar V [1SG19EE416]**, **Srinivas T [1SG19EE421]**, **Thejesh M B [1SG19EE422]**, bona fide students of 5th semester in department of **Electrical and Electronics Engineering** during the academic year **2020-2021**

Signature of the Guide

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Asst. Professor

Dept. Of EEE

Principal

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Professor & H.O.D

(Head of the Dept., EEE)

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CERTIFICATE

This is to certify that the mini project work entitle

“CLAP SENSITIVE SWITCH” carried out by **Roopashree (1SG18EE065),
Sinchana R (1SG18EE076), Sindhu N (1SG18EE077) , Sneha V
(1SG18EE078)** bona fide students of **Fifth semester** in department of
Electrical and Electronics Engineering during the academic year 2020-2021

Jhansi K
20/1/21
Signature of the Guide
Mrs . Jhansi K

Asst. Professor
(Dept. Of EEE)

K.N. Ravi
Signature of the HOD
Dr. K.N. Ravi

Professor & H.O.D
(Head of the Dept., EEE)

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FOR THE ACADEMIC YEAR 2020-21

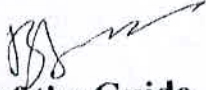
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CERTIFICATE

This is to certify that the mini project work entitled "SMART IRRIGATION USING ARDUINO MOISTURE SENSOR AND WATER PUMP" carried out by S G Mohith Gowda, Raghavendra K.S, Rahul C, Nadeesh, 1SG18EE066, 1SG18EE060, 1SG18EE061, 1SG18EE050, bonafide students of 5th semester in department of Electrical and Electronics Engineering during the academic year 2020-2021


Signature of the Guide
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CERTIFICATE

This is to certify that the mini project work entitled
"MINI FM TRANSMITTER" carried out by UJWAL PG[1SG18EEE089],
SANDEEP K[1SG18EEE071], PARIKSHIT K [1SG18EEE071], RAKESH
N[1SG18EEE063], bona fide students of 5TH semester in department of
Electrical and Electronics Engineering during the academic year 2020-2021


Signature of the Guide
Dr. Raghavendra
Asst. Professor


Signature of the HOD
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CERTIFICATE

This is to certify that the mini project work entitled
“AUTOMATED DOOR BELL SENSOR” carried out by **Sahana H. Uchil**
USN [1SG18EE068], **Sharath Y. V.** USN [1SG18EE075], **Sneha P. R.** USN
[1SG18EE079] and **Vishal Kadam** USN [1SG19EE0423] bona fide students
of **5th semester** in department of **Electrical and Electronics Engineering**
during the academic year 2020-2021.

Signature of the Guide

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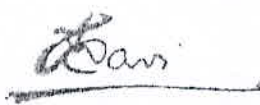
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CERTIFICATE

This is to certify that the mini project work entitled "MEASUREMENT OF HEIGHT USING ULTRASONIC SENSOR AND ARDUINO" carried out by **Rajath N Gowda [1SG18EE062], Satish D G [1SG18EE073], Satish N B [1SG18EE074], Vishwanathreddy Hosagowdra [1SG18EE092]** bona fide students of **5th semester** in department of **Electrical and Electronics Engineering** during the academic year 2020-2021 .


Signature of the Guide
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CERTIFICATE

This is to certify that the mini project work entitled "Bluetooth Based on Home Automation Using Arduino" carried out by

RAKSHITHA T.K

ISG19EE414

SHEETHAL S

ISG19EE418

SHREE LAKSHMI K

ISG19EE419

NIKHIL GOWDA J.S

ISG18EE411

Bona fide students of **V semester** in department of **Electrical and Electronics Engineering** during the academic year 2020-2021.

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Bengaluru-560057

Hesaraghatta Main Road,



CERTIFICATE

This is to certify that the mini project work entitled

“ **Laser light security alarm** ” carried out by **SRUJANA V HUGAR**
(1SG18EE084) , **RAKSHA MOHAN** (1SG18EE064), **SAHANA N L**
(1SG18EE069), bona fide students of **5TH** semester in department of
Electrical and Electronics Engineering during the academic year 2020-2021

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CERTIFICATE

This is to certify that the mini project work entitled “ **TEMPERATURE ASSED FAN SPEED CONTROL WITH ARDUINO UNO** ” carried out by **PURUSHOTHAM E (1SG18EE059)** , **SUMANTH S (1SG18EE086)** , **SUMANTH J(1SG18EE087)** , **YOGANARASIMHA D L (1SG18EE094)** bona fide students of **V semester** in department of **Electrical and Electronics Engineering** during the academic year 2020-2021

Ramy 20/01/2021
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Mrs RAMYA M
/Asst. Professor
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K.N. Ravi
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(Head of the Dept., EEE)

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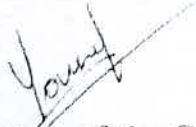
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Department of Electrical and Electronics Engineering



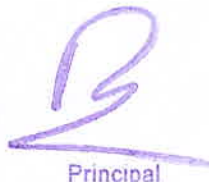
CERTIFICATE

This is to certify that the mini-project entitled "Gas and Smoke Detector" carried out by **Samyama S** bearing **USN [1SG18EE070]**, **Spoorthi N** bearing **USN [1SG18EE081]**, **Sushmitha G** bearing **USN [1SG18EE088]** and **Veena S** bearing **USN [1SG18EE091]**, bona fide students of 5th Semester in the Department of Electrical and Electronics Engineering during the academic year 2020-21.


Signature of the Guide


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Assistant Professor
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CERTIFICATE

This is to certify that the mini project work entitled

“ **LI-FI TECHNOLOGY** ” carried out by **Nisarga P** bearing USN **1SG18EE054**, **S.Sahana** bearing USN **1SG18EE067**, **Sowmya L** bearing USN **1SG18EE080**, **Umadevi M** bearing USN **1SG18EE090**, bona fide students of 5th semester in department of **Electrical and Electronics Engineering** during the academic year 2020-2021

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Bengaluru - 560 057

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Dr. Ravi K.N

Professor & H.O.D

(Head of the Dept., EEE)

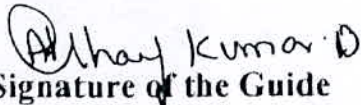
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CERTIFICATE

This is to certify that the mini project work entitled "ENERGY GENERATION USING MAGNETIC COIL" carried out by **MITHUN KUMAR A C , NAHUSHA K N, PRAJWAL R, RAKESH M H** bearing **1SG18EE048, 1SG18EE049, 1SG18EE056, 1SG18EE413** bonafide students of semester in department of Electrical and Electronics Engineering during the academic year 2020-2021


Signature of the Guide
Mr. AKSHAY KUMAR D
 Asst. Professor
 (EEE)


Signature of the HOD
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 Professor & H O D
 (Head of the Dept, EEE)


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CERTIFICATE

This is to certify that the mini project work entitle "Water Level Controller (Indicator)" carried out by name bearing USN 1. Shankar H N[1SG19EE415] 2.Sharan Kumar S[1SG19EE417] 3.Shushanth O[1SGEE420] 4.Kiran K [1SG18EE403] bona fide students of 5 semester in department of Electrical and Electronics Engineering during the academic year 2020-2021

A. V. Ashwini

Signature of the Guide

Mr/Mrs. Ashwini A V

Asst. Professor

Dept. Of EEE

B

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K N Ravi

Signature of the HOD

DR. K N Ravi

Professor & H.O.

(Head of the Dept., EEE)