



SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

588466

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ISO 9001: 2015 & ISO 14001: 2015 CERTIFIED

BATCH NO	SL NO.	USN	STUDENT NAME	INTERNAL GUIDE	MINIPROJECT TITLE
1	1	1SG22EC029	DINESH N K	Prof.PADMAVATHI C	RFID
	2	1SG22EC049	KIRAN GOWDA T		
	3	1SG23EC408	PANDIAN K		
2	1	1SG22EC017	BHAVANA S	Prof.MANASA M G	Mini FM transmission system
	2	1SG22EC040	HITHASHREE A		
	3	1SG22EC031	DIVYASHREE V		
3	1	1SG22EC023	CHITRA I B	Prof.RAVISHANKARA M N	Dc motor speed controller using 555 timer
	2	1SG22EC019	CHANDANA B		
	3	1SG22EC061	MOHITH B N		
4	4	1SG22EC009	ARIF ATTAR	Dr.NAGARAJA A M	Radar system
	1	1SG22EC052	KUSHAL N		
	2	1SG22EC043	JEEVAN YADAV		
5	3	1SG22EC036	HARSHITH A	Prof.MADHU H M	Vehicle movement based street light project
	4	1SG22EC024	DARSHAN H		
	1	1SG22EC005	ANANYA M R		
6	2	1SG22EC022	CHINTANA D	Prof.PRATHIBA P	Patient health monitoring system
	3	1SG22EC036	HARSHITHA M YADAV		
	4	1SG22EC032	DRUTHI N R		
7	1	1SG22EC046	KEERTHANA K	Dr.H C SATEESH KUMAR	Walking Charger Using Piezoelectric transducer
	2	1SG22EC04	MEGHA C		
	1	1SG22EC006	ANJALI JADHAV		
8	2	1SG22EC008	ARCHANA RAI	Prof.VISHALAKSHI R	Radar using aurdino and ultrasonic sensor
	3	1SG22EC012	AYESHA SIDDIQUA		
	4	1SG22EC021	CHINMAYI N		
9	1	1SG22EC0037	HARSHITHA R	Prof.RAVISHANKARA M N	Speed control DC motor using aurdino
	2	1SG22EC045	KAVANA A		
	3	1SG22EC030	MANUSHREE B		
10	4	1SG22EC059	DIVYA C	Prof.MADHU H M	Automated Dam Control System
	1	1SG22EC056	MANDHARA M		
	2	1SG22EC047	KEERTISHREE M		
11	3	1SG22EC018	BINDU H M	Prof.PADMAVATHI C	Automatic breaking vehicle
	4	1SG22EC060	MEGHANA H S		
	1	1SG22EC001	AKHILESH G V		
12	2	1SG22EC004	ANAND KUMAR S	Dr.H C SATEESH KUMAR	Radar System
	3	1SG22EC020	CHETHAN H B		
	4	1SG22EC051	KUSHAL C S		
13	1	1SG22EC015	B P MAHESH	Prof.PRATHIBA P	Traffic Light Circuit Using 555 Timer IC
	2	1SG22EC028	DHEERAJ G		
	3	1SG22EC014	B N MANJUNATH		
	4	1SG22EC033	GAGAN RAJ T R		
	1	1SG22EC002	AKHILESH NAIK		
	2	1SG22EC025	DARSHAN H K		
	3	1SG22EC027	DHANUSH YADAV G N		
	4	1SG22EC044	KARTIK CHOUDAKKANAVAR		
	1	1SG22EC026	DHANUJ MADEV NAIK		
	2	1SG22EC039	HEMANTH KUMAR P		
	3	1SG22EC016	BASANGOUDA TIPPAYIKOPPA		
	4	1SG22EC010	ASHOK KRISHNA N		
	1	1SG23EC400	GIRISH H		

Principal

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14	2	1SG23EC403	HARISH N	Prof.MANASA M G	Traffic ght Circuit Using J555 Timer IC
	3	1SG23EC404	YASHAS		
	4	1SG23EC410	SHASHANK S		
15	1	1SG22EC038	HARSHITHA R	Prof.VISHALAKSHI R	Turbidity sensor
	2	1SG22EC007	ANUSHA RANI L		
	3	1SG22EC053	LAHARI R		
16	1	1SG22EC003	AMITH P M	Prof.RAVISHANKARA M N	Line following robot
	2	1SG22EC034	GANESH B S		
	3	1SG22EC041	HITHESH K H		
	4	1SG22EC055	MADHU N D		
17	1	1SG22EC042	JAYANTH B K	Dr.NAGARAJA A M	Automatic breaking vehicle
	2	1SG22EC050	KSHAN KUMAR R		
	3	1SG22EC054	M K HEMESH		
	4	1SG22EC058	MANOJ S		
18	1	1SG22EC013	B K VIVEK GOWDA	Prof.PRATHIBA P	Pet controller
	2	1SG22EC057	MANMOHAN SINGH		
	3	1SG22EC085	RAMIKSHA C SHETTY		
	4	1SG22EC092	SAHANA P		


HOD

Head of the Department
Electronics & Communication
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Bangalore - 560 057.



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Bangalore-560 057

2023-2024



CERTIFICATE

This is to certify that the Mini Project work entitled **RFID BASED ATTENDANCE SYSTEM** is a bonafide work carried out by

DINESH NK	1SG22EC029
KIRAN GOWDA T	1SG22EC049
PANDIAN K	1SG23EC408

in partial fulfillment for the award of degree of *Bachelor of Engineering in Electronics & Communication Engineering* of Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement in respect of Mini Project work prescribed for the degree.

Padmavathi C
Guide

Dr. H C Sateesh Kumar
Head of the Department

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Dr. H Ramakrishna
Principal

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057



CERTIFICATE

This is to certify that the Mini Project work entitled **FM-RADIO TRANSMITTER** is a bonafide work carried out by

BHAVANA S USN: 1SG22EC017

DIVYA SHREE V USN: 1SG22EC031

HITHASHREE A USN: 1SG22EC040

in partial fulfillment for the award of degree of **Bachelor of Engineering in Electronics & Communication Engineering** of Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement in respect of Mini Project work prescribed for the degree.

Prof. MANASA M G
Guide

Dr. H C SATEESH KUMAR
Head of the Department

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Bengaluru, Karnataka 560057

2023-2024



CERTIFICATE

This is to certify that the Mini Project work entitled **PULSE WIDTH MODULATOR FOR DC MOTOR USING 555 TIMER** is a bonafide work carried out by

ARIF ATTAR	USN: 1SG22EC009
CHANDANA B	USN: 1SG22EC019
CHITRA I B	USN: 1SG22EC023
MOHITH B N	USN: 1SG22EC061

in partial fulfillment for the award of degree of **Bachelor of Engineering in Electronics & Communication Engineering** of Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement in respect of Mini Project work prescribed for the degree.

Prof. Ravi Shankara M N
Guide

Dr. H C Sateesh Kumar
Head of the Department

Dr. Ramakrishna
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CERTIFICATE

This is to certify that the Mini Project work entitled **Vehicle Movement Based Street Light System** is a bonafide work carried out by

ANANYA M R	USN: 1SG22EC005
CHINTHANA D	USN: 1SG22EC022
DRUTHI N R	USN: 1SG22EC032
HARSHITHA M YADAV	USN: 1SG22EC036

in partial fulfillment for the award of degree of **Bachelor of Engineering in Electronics & Communication Engineering** of Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement in respect of Mini Project work prescribed for the degree.

Prof. Madhu H M.
Guide

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Head of the Department

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Dr. H Ramakrishna
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CERTIFICATE

This is to certify that the Mini Project work entitled **WALKING CHARGER USING PIEZOELECTRIC MATERIAL** is a bonafide work carried out by

ANJALI JADHAV

USN: 1SG22EC006

ARCHANA RAI

USN: 1SG22EC008

AYESHA SIDDIQUA

USN: 1SG22EC012

in partial fulfillment for the award of degree of *Bachelor of Engineering in Electronics & Communication Engineering* of Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement in respect of Mini Project work prescribed for the degree.

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Department of Electronics & Communication Engineering

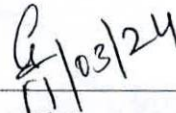


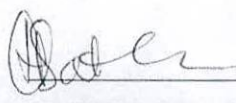
CERTIFICATE

This is to certify that the project work entitled **radar system using ultrasonic sensor** is a bona-fide work carried out by

DIVYA C	1SG22EC030
HARSHITHA R	1SG22EC037
KAVANA A	1SG22EC045
MANUSHREE B	1SG22EC059

in partial fulfillment for the award of degree of **Bachelor of Engineering in Electronics & Communication Engineering** of Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement in respect of project work phase 1 prescribed for the degree.


Vishalakshi R
Guide


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CERTIFICATE

This is to certify that the Mini Project work entitled **SPEED CONTROL OF DC MOTOR USING ARDUINO** is a bonafide work carried out by

BINDU H M	USN: 1SG22EC018
KEERTHI SHREE M	USN: 1SG22EC047
MANDHARA M	USN: 1SG22EC056
MEGHANA H S	USN: 1SG22EC060

in partial fulfillment for the award of degree of ***Bachelor of Engineering in Electronics & Communication Engineering*** of Visvesvaraya Technological University, Belagavi during the year 2020-21. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement in respect of Mini Project work prescribed for the degree.

Prof. Ravi Shankara M N
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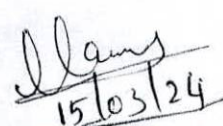
CERTIFICATE


This is to certify that the Mini Project work entitled **RFID DOOR LOCK SYSTEM USING ARDUINO** is a bonafide work carried out by

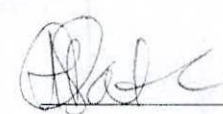
GIRISH H	USN: 1SG23EC401
HARISH N	USN: 1SG23EC403
SHASHANK S	USN: 1SG23EC410
YASHAS	USN: 1SG23EC411

in partial fulfillment for the award of degree of *Bachelor of Engineering in Electronics & Communication Engineering* of Visvesvaraya Technological University, Belagavi during the year 2020-21. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement in respect of Mini Project work prescribed for the degree.


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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini Project work entitled "LINE FOLLOWER ROBOT"

carried out by

AMITH P M	(1SG22EC003)
GANESH B S	(1SG22EC034)
HITHESH K H	(1SG22EC041)
MADHU N D	(1SG22EC055)

of 3rd Semester in ECE partial fulfillment for the award of degree in **Bachelor of Engineering** at **Sapthagiri College of Engineering** affiliated to **Visvesvaraya Technological University, Belagavi** for the academic year 2023-24. It is certified that all corrections / suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The Mini Project report has been approved as it satisfies the academic requirements in prescribed for the said degree.

Signature of the Guide

Ravi Shankar M N

Associate Professor
Dept of ECE

Signature of the HOD

Dr. H C Sateesh Kumar


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SAPTHAGIRI COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
III Semester Miniproject Batch list
SEM:III(B) Section B Session:2023-24

SL. NO	USN	STUDENT NAME	BATCH NO	Title of the Project	Guide Name
1	1SG22EC080	Prashanth.r	1	LPG Gas detector	Prof Vishalakshi
2	1SG22EC070	Nikhil Gowda.M			
3	1SG22EC110	Sudeep R Medegar			
4	1SG22EC090	S sujith	2	Mini Audio Amplifier	Prof Chaitra
5	1SG22EC099	Shashank K S			
6	1SG22EC079	Prasad.Hiremath			
7	1SG22EC074	Pavan Kumarej	3	Working of Audio Amplifier	Dr Nagraj A M
8	1SG22EC082	Preeti P Kulkarni			
9	1SG22EC115	U S Srujana			
10	1SG22EC088	Rashmitha J	4	Simple clap switch circuit for Home	Prof Manasa M G
11	1SG22EC097	Shamala S			
12	1SG22EC065	Navya.M			
13	1SG22ECO66	Navyashree.M N	5	LPG Gas Leakage Detector	DR H C satish Kumar
14	1SG22EC071	Pallavi L			
15	1SG22EC124	Yashaswini T A			
16	1SG22EC118	Venkatalakshmi B R	6	Cell phone signal Booster	DR H C satish Kumar
17	1SG22EC067	Nayana C H			
18	1SG22EC064	Navya K			
19	1SG22EC072	Panchami	7	Smart Pet Feeder	Prof Surekha B
20	1SG23EC409	Ruchita			
21	1SG22EC013	B K Vivek gowda			
22	1SG22EC057	Manmohan Singh	8	Clap Switch	Prof Manasa M G
23	1SG22EC092	Sahana P			
24	1SG22EC085	Ramiksha C Shetty			
25	1SG22EC091	Sahana.M	9	Metal Detector	Prof Surekha B
26	1SG22EC094.	Sanjana.C			
27	1SG22EC103	Shivani			
28	1SG22EC113	Thanuja K P	10	Energy Generator with Magnet and Motor	Prof Manasa M C
29	1SG22EC107	Shwetha. V			
30	1SG22EC108	Soujanya.P			
31	1SG22EC081	Preethi.K	10	Energy Generator with Magnet and Motor	Prof Manasa M C
32	1SG22EC077	Pooja.S			
33	1SG22EC096	Savitha V			
34	1SG22EC095	Sannidhi S Shetty	10	Energy Generator with Magnet and Motor	Prof Manasa M C
35	1SG22EC116	Varshini.R			
36	1SG22EC086	Ramya.P D			


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37	1SG22EC084	Rachana M	11	Automatic Fire Extinguisher	Prof Madhu M G
38	1SG22EC063	Mythri GS			
39	1SG22EC083	Priya K			
	1SG22EC087	Ramya S			
40	1SG22EC119	Vidya CN	12	Fire Extinguisher	Prof Madhu M G
41	1SG22EC117	Veena H V			
42	1SG22EC068	Neeta Krishna L			
43	1SG22EC062	Monisha R			
44	1SG22EC125	yogesh V J	13	Door Security alarm	Prof Chaitra
45	1SG22EC102	Shashank R			
46	1SG22EC073	Patil Amit Rajesh			
47	1SG22EC075	pavan R			
48	1SG22EC122	Vishal V Kulkarni	14	Solar Tracking System	Prof Chaitra
49	1SG22EC098	Shashank H S			
50	1SG22EC120	Vikas N			
51	1SG22EC104	Shrishail Uppar			
52	1SG22EC101	Shashank n	15	Mini Oscilloscope	Prof Suma V shetty
53	1SG22EC109	Sudeep HM			
54	1SG22EC078	Prajwal k			
55	1SG22EC100	Shashank ms			
56	1SG22EC076	POLAKI TANUSRI	16	Ultrasonic Radar System	
57	1SG22EC069	NIDHI P KUMAR			
58	1SG22EC121	Vinutha K N			
59	1SG22EC089	RaviKiran T	17	Audio	Prof Suma V shetty
60	1SG22EC114	Thilak T			
61	1SG22EC112	TS Anvitha	19	Automatic Fire Extinguisher	Prof Padmavathi c
62	1SG22EC093	Sandhya N R			
63	1SG22EC123	Yashaswini G			
64	1SG23EC404	Harsha	20	Solar Mobile Charger	Prof Surekha B
65	1SG23EC401	G Vinod			
66	1SG23EC406	Kariyanna			
67	1SG23EC402	Hemant R			
68	1SG23EC402	Harish M K			



(Surekha Bhangari)
Mini Project Coordinator



(Dr. H C Satish Kumar)
Head of the Department


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Head of the Department
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

A Mini Project Report
on



LPG GAS DETECTOR

By

Nikhil Gowda M	1SG22EC070
Prashanth R	1SG22EC080
Sudeep R Medegar	1SG22EC110

Submitted in partial fulfillment of requirement for the award of the degree of

BACHELOR OF ENGINEERING

in

ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

Surekha B

Assistant professor



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Sapthagiri College of Engineering,

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2022-2023


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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018

A Mini Project Report
on



MINIAUDIO AMPLIFIER

By

PAVANKUMAR J

1SG22EC074

PRASAD HIREMATH

1SG22EC079

SUJITH S

1SG22EC090

SHASHANK K S

1SG22EC099

Submitted in partial fulfillment of requirement for the award of the degree of

BACHELOR OF ENGINEERING

in

ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

Chaitra

Assistant professor



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Bengaluru, Karnataka 560057

2023-2024

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018

A Mini Project Report
on

Working Of Audio Amplifier



By

PREETI P KULKARNI	1SG22EC082
RASHMITHA J	1SG22EC088
SHAMALA S	1SG22EC097
U S SRUJANA	1SG22EC115

Submitted in partial fulfillment of requirement for the award of the degree of

BACHELOR OF ENGINEERING

in

ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

A M NAGARAJ

DESIGNATION




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VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI - 590 018

A Mini Project Report
on

SIMPLE CLAP SWITCH CIRCUIT FOR HOME AUTOMATION



By

NAVYA M

USN:1SG22EC065

NAVYASHREE M N

USN:1SG22EC066

Submitted in partial fulfillment of requirement for the award of the degree of

BACHELOR OF ENGINEERING
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MANASA M G

Assistant Professor

Sapthagiri college of engineering



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2022-2023

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018

A Mini Project Report
On
LPG GAS LEAKAGE DETECTOR



By

Nayana c h USN: 1SG22EC067

Pallavi l. USN: 1SG22EC071

Yashaswini t a USN: 1SG23EC124

Venkatalakshmi b r. USN: 1SG22EC118

Submitted in partial fulfillment of requirement for the award of the degree of

BACHELOR OF ENGINEERING

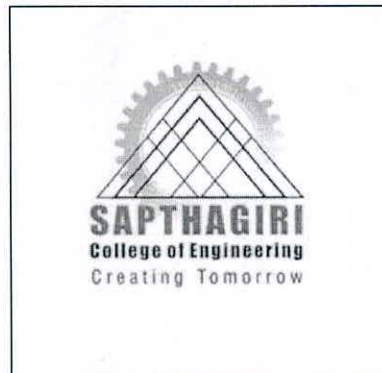
in

ELECTRONICS&COMMUNICATION ENGINEERING

Under the guidance of

Dr H C Sateesh Kumar

Head Of Department (ECE)



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Sapthagiri College of Engineering,

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

A Mini Project Report
On
Cell Phone Signal Booster



By
Navya K USN: 1SG22EC064
Panchami R USN: 1SG22EC072
Ruchitha K USN: 1SG23EC409

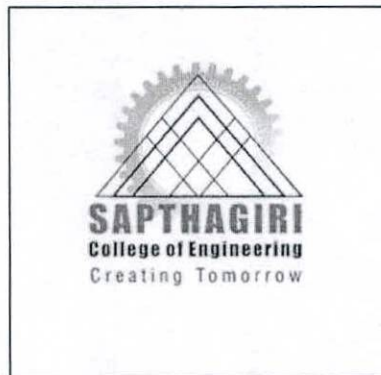
Submitted in partial fulfillment of requirement for the award of the degree of

BACHELOR OF ENGINEERING

in

ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of
Dr H C Sateesh Kumar
Head Of Department (ECE)



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Sapthagiri College of Engineering,

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A handwritten signature in blue ink, likely of the Principal, written over the printed name and address.

Principal
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018



“Smart Pet Feeder Report”

Submitted in partial fulfillment of the requirement for the award of degree of 3rd semester

BACHELOR OF ENGINEERING IN ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

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Under the guidance of

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018
A Mini Project Report
On

CLAP SWITCH



By

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BELAGAVI - 590 01

A Mini Project Report on METAL DETECTOR



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CERTIFICATE

This is to certify that the Mini Project work entitled **AUTOMATIC FIRE EXTINGUISHER PROJECT** is a bonafide work carried out by

MYTHRI G S.	1SG22EC063
PRIYA K.	1SG22EC083
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RAMYA S	1SG22EC087

in partial fulfillment of 3rd semester for the award of degree of **Bachelor of Engineering in Electronics & Communication Engineering** of Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement in respect of Mini Project work prescribed for the degree.

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BELAGAVI – 590 018

Report on:

"MINI PROJECT"

Title:

"FIRE EXTINGUISHER"



By

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Neetha Krishna L

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*Submitted in partial fulfillment of requirement for the award of the degree of
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BACHELOR OF ENGINEERING

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BELAGAVI - 590 018

A Mini Project Report
on

DOOR SECURITY ALARM



By

PATIL AMIT RAJESH
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USN: 1SG22EC073
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A Mini Project Report On SOLAR TRACKING SYSTEM



By

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BELAGAVI - 590 018

A Mini Project Report
On
ULTRASONIC RADAR SYSTEM



By

NIDHI P KUMAR
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

A Mini Project Report on

AUTOMATIC FIRE EXTINGUISHER



Yashaswini G
Sandhya N R
T S Anvitha

By

1SG22EC123
1SG22EC093
1SG22EC112

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