



SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to VTU, Belagavi, and Recognized by AICTE, New Delhi) (Accredited by NAAC with "A" Grade), (Accredited by NBA),

15 and 14001-2015 Certified Institute) 14/5, Chikkasandra, Hesaraghatta, Main Road, Bengaluru-560057, Karnataka, India.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

II Semester Miniproject Batch list

Section A

BATCH NO	Guide Name	USN	STUDENT NAME	Project title
1	Dr.A. M. Nagaraj	1SG22EC025	Darshan HK	Laser security alarm
		1SG22EC003	Amith PM	
		1SG22EC027	Dhanush Yadav GN	
		1SG22EC044	Kartik.N.Choudakkanavar	
2	Agalya P	1SG22EC060	Meghana HS	Generation of electricity using waste material
		1SG22EC038	Harshitha R	
		1SG22EC07	Anusha Rani L	
		1SG22EC011	Ashwini R	
3	Dr.A. M. Nagaraj	1SG22EC035	Harshit.A	Line following Robot
		1SG22EC052	Kushal.N	
		1SG22EC043	Jeevan Yadav.K	
		1SG22EC024	Darshan.H	
4	Roopashree	1SG22EC039	Hemantha Kumar P	A simple Water level indicator using IC547
		1SG22EC026	Dhanuj Madev Naik	
		1SG22EC004	Anand Kumar.S	
		1SG22EC016	Basana gowda T	
5	Madhu H M	1SG22EC015	B P Mahesh	Li-Fi
		1SG22EC033	Gaganraj T R	
		1SG22EC028	dheeraj G	
		1SG22EC014	BN Manjunath	
		1SG22EC034	Ganesh BS	

6	Chaitra H N	1SG22EC041	Hithesh KH	Automatic water irrigation system
		1SG22EC055	Madhu N D	
7	Sobha S	1SG22EC023	Chitra I B	Object counter
		1SG22EC019	Chandana B	
		1SG22EC061	Mohith B N	
8	Ravishankara M N	1SG22EC020	Chethan H B	Automatic street light working using LDR
		1SG22EC002	Akilesh Naik	
		1SG22EC009	ARIF ATTAR	
		1SG22EC051	KUSHAL C S	
	Madhu H M	1SG22EC010	Ashok krishna N	Rocker bogi robot with node MCU
		1SG22EC029	Dinesh N K	
		1SG22EC050	Kiran Gowda T	
10	Chaitra H N	1SG22EC005	Ananya.M.R	Laser home security system
		1SG22EC022	Chinthana.D	
		1SG22EC032	Druthi.N.R	
		1SG22EC036	Harshitha.M.Yadav	
11	Dr Prakash Jadav	1SG22EC008	Archana Rai	Temperature control fan using thermister
		1SG22EC006	Anjali jhadav	
		1SG22EC021	Chinmayi N	
		1SG22EC012	Ayesha siddiqua	
12	Dr.Shobha Hugar	1SG22EC040	Hithashree A	Smoke detector
		1SG22EC031	Divyashree V	
		1SG22EC017	Bhavana	
13	Suma V Shetty	1SG22EC058	Manoj S	Automatic light controller using LDR
		1SG22EC050	Kishan Kumar R	
		1SG22EC042	Jayanth B K	
		1SG22EC054	M K Hemesh	
14	Prathibha P	1SG22EC056	Mandhara M	Fire detection sensor
		1SG22EC053	Lahari R	
		1SG22EC018	Bindu H M	
		1SG22EC046	Keerthana K	
		1SG22EC056	Manushree. b	

15	Kalavathi S	ISG22EC037	Harshitha R	Traffic light signal using 2 IC 555 timer
		ISG22EC045	Kavana A	
		ISG22EC030	Divya C	
16	Suma V Shetty	ISG22EC029	Dinesh NK	Fire detection sensor
		ISG22EC001	Akhilesh GV	


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 Head of the Department
 Electronics & Communication
 Sapthagiri College of Engineering
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

II Semester Miniproject Batch list

Section B

BATCH NO	Guide Name	SL. NO	USN	STUDENT NAME	Project title
1	Chaitra H N	1	1SG22EC080	Prashanth.r	LPG Gas detector
		2	1SG22EC070	Nikhil Gowda.M	
		3	1SG22EC110	Sudeep R Medegar	
2	Dr A M Nagaraj	1	1SG22EC090	S sujith	Mini audio amplifier
		2	1SG22EC099	Shashank K S	
		3	1SG22EC079	Prasad.Hiremath	
		4	1SG22EC074	Pavan Kumarej	
3	Padmavathi C	1	1SG22EC082	Preeti P Kulkarni	Laser security alaram system
		2	1SG22EC115	U S Srujana	
		3	1SG22EC088	Rashmitha J	
		4	1SG22EC097	Shamala S	
4	Manasa M G	1	1SG22EC065	Navya.M	Simple Clap switch circuit for home automation
		2	1SG22EC066	Navyashree.M N	
5	Prathiba P	1	1SG22EC116	Varshini.R	Short circuit protector
		2	1SG22EC047	Keerthi Shree M	
		3	1SG22EC086	Ramya.P D	
6	Kalavathi S	1	1SG22EC071	Pallavi L	Laser Home security system
		2	1SG22EC124	Yashaswini T A	
		3	1SG22EC118	Venkatalakshmi B R	
		4	1SG22EC067	Nayana C H	
7	Manasa M G	1	1SG22EC064	Navya K	Clap switch
		2	1SG22EC072	Panchami R	
		1	1SG22EC013	B K Vivek gowda	

8	Ravishankara M N	2	ISG22EC058	Manmohan Singh	Light activated robot
		3	ISG22EC092	Sahana P	
		4	ISG22EC085	Ramiksha C Shetty	
9	Chaitra H N	1	ISG22EC091	Sahana.M	Clap switch
		2	ISG22EC094	Sanjana.C	
		3	ISG22EC103	Shivani	
		4	ISG22EC113	Thanuja K P	
10	Madhu H M	1	ISG22EC107	Shwetha. V	Metal detector
		2	ISG22EC108	Soujanya.P	
		3	ISG22EC081	Preethi.K	
		4	ISG22EC077	Pooja.S	
11	Roopashree M	1	ISG22EC121	Vinutha K N	Free energy generator using Motor and Magnets
		2	ISG22EC096	Savitha V	
		3	ISG22EC095	Sannidhi S Shetty	
12	Madhu H M	1	ISG22EC084	Rachana M	Smoke detector
		2	ISG22EC063	Mythri GS	
		3	ISG22EC106	Shwetha K	
13	Kalavathi S	1	ISG22EC119	Vidya CN	Tesla coil
		2	ISG22EC117	Veena H V	
		3	ISG22EC068	Neeta Krishna L	
		4	ISG22EC062	Monisha R	
14	Roopashree M	1	ISG22EC125	yogesh V J	Wireless power transmission
		2	ISG22EC102	Shashank R	
		3	ISG22EC073	Patil Amit Rajesh	
		4	ISG22EC075	pavan R	
15	Padmavathi C	1	ISG22EC122	Vishal V Kulkarni	Conversion of mechanical energy into electrical energy
		2	ISG22EC098	Shashank H S	
		3	ISG22EC120	Vikas N	
		4	ISG22EC104	Shrishail Uppar	
16	Chaitra H N	1	ISG22EC101	Shashank N	Portable power bank
		2	ISG22EC078	Prajwal K	
		3	ISG22EC109	Sudeep H M	
		4	ISG22EC100	Shashank MS	

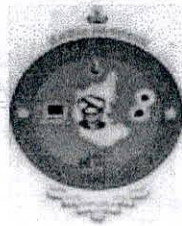
17	Shobha S	1	ISG22EC109	Sweta Singh	Fire alaram
		2	ISG22EC076	Polaki Tanyshree	
		3	ISG22EC069	Nidhi P kumar	
18	Dr. SHobha Hugar	1	ISG22EC089	RaviKiran T	Tesla coil
		2	ISG22EC114	Thilak T	
19	Chaitra H N	1	ISG22EC083	Priya K	Rain water detector
		2	ISG22EC087	Ramya S	
20	Madhu H M	1	ISG22EC112	TS Anvitha	water level indicator
		2	ISG22EC093	Sandhya N R	
		3	ISG22EC123	Yashaswini G	


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A1

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI, KARNATAKA**



**MINI-PROJECT REPORT
on
LASER SECURITY SYSTEM**

**Bachelor of Engineering
in
Electronics & Communication Engineering**

Submitted by

AMITH PM	(1SG22EC003)
DARSHAN HK	(1SG22EC025)
DHANUSH YADAV GN	(1SG22EC027)
KARTIK CHOUDAKKANAVAR	(1SG22EC044)

Under the guidance of

Dr AM Nagaraja
Professor
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**DEPARTMENT OF ELECTRONICS & COMMUNICATION
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Bengaluru - 560 075

42

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

A Mini Project Report
on

GENERATION OF ELECTRICITY USING WASTE MATERIALS



By

ANUSHA RANI L
HARSHITHA R
MEGHANA H S

1SG22EC007
1SG22EC038
1SG22EC060

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

BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of
PROF. Agalya P



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NAAC Accredited with 'A' Grade

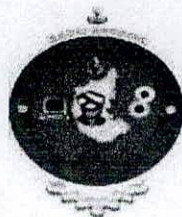
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**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI, KARNATAKA**



**MINI-PROJECT REPORT
on
LINE FOLLOWING ROBOT**

**Bachelor of Engineering
in
Electronics & Communication Engineering**

Submitted by

KUSHAL N	(1SG22EC052)
DARSHAN H	(1SG22EC024)
JEEVAN YADAV K	(1SG22EC043)
HARSHIT A	(1SG22EC035)

Under the guidance of


Dr.A M Nagaraja
Professor
Dept. of E.C.E, S.C.E



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44

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

A Mini Project Report

on

A SIMPLE WATER LEVEL INDICATOR USING IC547



By

Anand Kumar S	1SG22EC004
Basanagouda T.	1SG22EC016
Dhanuj Madev Naik.	1SG22EC026
Hemanth Kumar P.	1SG22EC039

Submitted in partial fulfillment of requirement for the award of the 2nd Semester of

BACHELOR OF ENGINEERING

in

ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

RUPASHREE

ASSISTANT PROFESSOR



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BELAGAVI - 590 018

A Mini Project Report
on
LI-FI(light fidelity)



By

B.N.MANJUNATH	1SG22EC014
B.P.MAHESH	1SG22EC015
DHEERAJ G	1SG22EC028
GAGAN RAJ T R	1SG22EC033

Submitted in partial fulfillment of requirement for the award of the 2nd Semester of

BACHELOR OF ENGINEERING
in
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Under the guidance of
MADHU.H.M
ASSISTANT PROFESSOR



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46

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

A Mini Project Report on

SMART IRRIGATION SYSTEM



By

Akilesh G V	1SG22EC001
Ganesh B S	1SG22EC034
Hithesh K H	1SG22EC041
Madhu N D	1SG22EC055

Submitted in partial fulfillment of requirement for the award of the 2nd Semester of

BACHELOR OF ENGINEERING

in

ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

CHAITRA H N

ASSISTANT PROFESSOR



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI – 590 018

A Mini Project Report
on

OBJECT COUNTER



By

CHANDANA B	1SG22EC019
CHITRA I B	1SG22EC023
MOHITH B N	1SG22EC061

*Submitted in partial fulfillment of requirement of 2nd semester
for the award of the degree of*

BACHELOR OF ENGINEERING
in
ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

SOBHA S

Associate Professor
Department of ECE



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48

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018

A Mini Project Report on AUTOMATIC STREET LIGHT WORKING USING LDR



By

AKHILESH NAIK 1SG22EC002

ARIF ATTAR 1SG22EC009

CHETHAN H B 1SG22EC020

KUSHAL C S 1SG22EC051

Submitted in partial fulfillment of requirement for the award of the 2nd Semester of

BACHELOR OF ENGINEERING

in

ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

RAVI SHANKARA M N

ASSOCIATE PROFESSOR



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49

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

A Mini Project Report
on

ROCKER BOGIE ROBOT WITH NODE MCU



By

ASHOK KRISHNA N
DINESH NK
KIRAN GOWDA T

1SG22EC010
1SG22EC029
1SG22EC049

*Submitted in partial fulfillment of requirement of 2nd semester
for the award of the degree of*

BACHELOR OF ENGINEERING

in

ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

MADHU H M
ASSISTANT PROFESSOR



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Bengaluru

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

A Mini Project Report

On

LASER HOME SECURITY SYSTEM

By

ANANYA M R
CHINTHANA DDRUTHI N R
HARSHITHA M YADAV

USN: 1SG22EC005

USN: 1SG22EC022

USN: 1SG22EC032

USN: 1SG22EC036

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CHAITHRA M N

Assistant Professor

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Bengaluru - 560 057

11

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

A Mini Project Report
on
TEMPERATURE CONTROLLED FAN USING THERMISTOR



By

ANJALI JADHAV
ARCHANA RAI
AYESHA SIDDIQUA
CHINMAYI N

USN:1SG22EC006
USN:1SG22EC008
USN:1SG22EC012
USN:1SG22EC021

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

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in
ELECTRONICS & COMMUNICATION ENGINEERING

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ASSOCIATE PROFESSOR



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112

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

A Mini Project Report
on

SMOKE DETECTOR



By

NAME: BHAVANA S

USN: 1SG22EC017

NAME: DIVYASHREE V

USN: 1SG22EC031

NAME: HITHASHREE A

USN: 1SG22EC040

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

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in

ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

Dr. SHOBHA HUGAR

(ASSISTANT PROFESSOR)



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018

A Mini Project Report on Automatic light controller using LDR



By

Kishan Kumar.R	1SG22EC050
Jayanth B K	1SG22EC042
MK Hemesh	1SG22EC054
Manoj S	1SG22EC058

Submitted in partial fulfillment of requirement for the award of the 2nd Semester of

BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of
SUMA V SHETTY
ASSISTANT PROFESSOR



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
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A14

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

A Mini Project Report
on

FIRE DETECTING SENSOR



By

BINDU HM
KEERTHANA K
LAHARI R
MANDHARA M

1SG22EC018
1SG22EC046
1SG22EC053
1SG22EC056

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

BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of
PROF. PRATHIBA P
Assistant professor



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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14/5, Chikkasandra, Hassan

115

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI- 590018

A Mini project Report

On

“TRAFFIC LIGHT SIGNAL USING 2, IC 555 TIMER ”



By

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

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

BACHELOR OF ENGINEERING

In

ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

Prof. Kalavathi

Asst- Professor



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018

A Mini Project Report
on

Light Activated Robot



By

NAME : B K Vivek Gowda	USN: 1SG22EC013
NAME : Manmohan Singh	USN: 1SG22EC058
NAME : Ramiksha C Shetty	USN: 1SG22EC085
NAME : Sahana P	USN: 1SG22EC092

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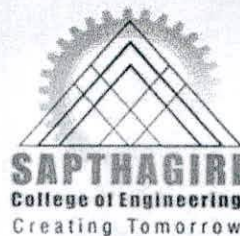
in

ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

Ravishankara M N

PROFESSOR



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Bengaluru - 5

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

Chaitra H.N

Assistant professor



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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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
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A Mini Project Report
on

LASER SECURITY ALARM SYSTEM



By

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A Mini Project Report
on

SIMPLE CLAP SWITCH CIRCUIT FOR HOME AUTOMATION



By

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A Mini Project Report
on

SHORT CIRCUIT PROTECTOR



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A Mini Project Report
on

LASER HOME SECURITY SYSTEM

By

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A Mini Project Report
on

CLAP SWITCH



By

NAME : Panchami.R
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Submitted in partial fulfillment of requirement for the award of the degree of

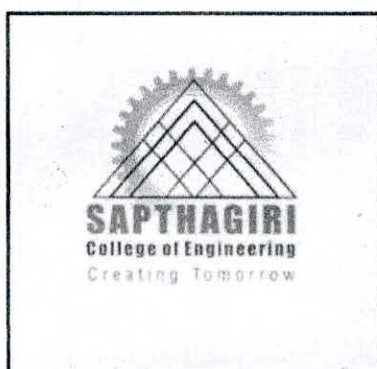
BACHELOR OF ENGINEERING

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ELECTRONICS & COMMUNICATION ENGINEERING

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

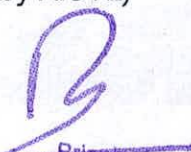
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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A Mini Project Report
On
CLAP SWITCH



By

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BACHELOR OF ENGINEERING
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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A Mini Project Report
on

METAL DETECTOR



By

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NAME: PREETHI.K
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI – 590 018

A Mini Project Report
on

Free Energy Generator using Motor and Magnets



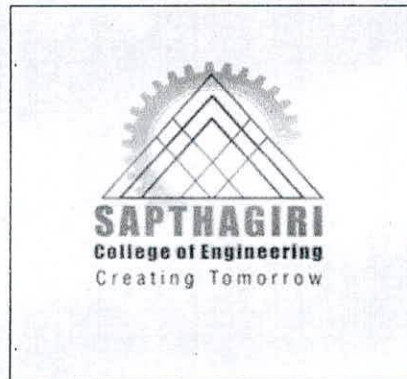
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A Mini Project Report
on

SMOKE DETECTOR



By

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A Mini Project Report
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TESLA COIL

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Neetha Krishna L	1SG22EC068
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BACHELOR OF ENGINEERING
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A Mini Project Report
on
WIRELESS POWER TRANSMISSION



By

PATIL AMIT RAJESH	USN: 1SG22EC073
PAVAN.R	USN: 1SG22EC075
SHASHANK.R	USN: 1SG22EC102
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI- 590018

A Mini Project Report on

**CONVERSION OF MECHANICAL ENERGY TO
ELECTRICAL ENERGY**



By

SHASHANK H S

USN:1SG22EC098

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**For the Academic year of 2022 – 2023
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A Mini Project Report on

PORTABLE POWER BANK



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Sudeep HM	1SG22EC109

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BACHELOR OF ENGINEERING

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A Mini Project Report On FIRE ALARM



By

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SWETA SINGH

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USN: 1SG22EC105

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A Mini Project Report
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THILAK T

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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A Mini Project Report
on

RAIN WATER DETECTOR



By

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A Mini Project Report
on

WATER LEVEL INDICATOR



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