

# SAPTHAGIRI COLLEGE OF ENGINEERING

## Electronics and communication Engineering

Batch	USN	Name of the student	Project title	Guide
1	1SG23EC023	DEEPIKA S M	Drip irrigation system	Dr.H C Sateesh Kumar
	1SG23EC024	DIVYA H		
	1SG23EC026	DIVYA WAGMARE		
	1SG23EC050	KAVANA R P		
	1SG23EC058	LIKITHA B		
2	1SG23EC041	HITHA SHRAVANI	low power inverter	Prof.Shobha S
	1SG23EC051	KAVYASHREE R		
	1SG23EC052	KEERTHANA B		
	1SG23EC053	KEERTHANA H		
3	1SG23EC009	ANKITHA ASHOK KUDARE	Smart Dustbin	Prof. Suma V Shetty
	1SG23EC055	LEKHANA GOWDA		
	1SG23EC046	JYOTHIKA ASHOK NAIK		
4	1SG23EC049	KAVANA G R	face recognition using python	Prof. Vishalakshi G R
	1SG23EC032	GANAVI P M		
	1SG23EC063	MANASA S RAO		
	1SG23EC029	G HARSHITHA		
5	1SG23EC017	AMARTYA S	Thermal Detector	Prof.Ravi Shankara M N
	1SG23EC018	ADITYA MANJUNATH NAIK		
	1SG23EC019	GANESH		
	1SG23EC036	HARSHITH		
	1SG23EC062	MALLIKARJUN PYATI		
6	1SG23EC021	DEEKSHITH A	AIR POLLUTION INDICATOR	Prof. Prathibha P
	1SG23EC047	K PAVAN KUMAR		
	1SG23EC003	ABHISHEK P G		
	1SG23EC020	DARSHAN N R		
	1SG23EC011	BHARATH		
7	1SG23EC060	LILLY DEEPIKA	vehicle accident control project	Dr. Nagaraj A M
	1SG23EC027	EVANGELINE S JADHAV		
	1SG23EC028	EVITA D SILVA		
8	1SG23EC008	ANAGHA C V	obstacle avoiding robot	Prof.Rupashree
	1SG23EC056	LEKHANA M		
	1SG23EC014	CHANDRIKA S		
	1SG23EC031	GAGANA G		
	1SG23EC037	HEMA M		
9	1SG23EC040	HEMESHA K	Nuclear power plant	Prof.Surekha
	1SG23EC035	HARSHA VG		
	1SG23EC030	GM MANU		
	1SG23EC0039	HEMANTH H A		
	1SG23EC016	CHINMAY ANAND		
10	1SG23EC001	A ABDUL AHAD	Wall detecting robot	Dr. Nagaraj A M
	1SG23EC002	ABHISHEK P		
	1SG23EC061	MG MANOJ PATIL		
	1SG23EC043	J R DARSHAN		
11	1SG23EC059	LIKHITHA D		
	1SG23EC054	KSHAMA G N		
	1SG23EC010	ANUSHREE N		
12	1SG23EC034	GOWRIKA J GOWDA	radar detection	Prof.Padmavathi C
	1SG23EC018	D S MEGHANA		
	1SG23EC017	CHINMAYI B		
	1SG23EC005	AISHWARYA M D		

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13	1SG23EC013	BHUVANA S	metal detectors using ic 555 timer	Prof. Chaitra H N
	1SG23EC048	K R POOJA		
	1SG23EC022	DEEPASHREE		
	1SG23EC025	DIVYA SHREE R		
14	1SG23EC015	CHANDU N	RFID based attendance system	Prof. Manasa
	1SG23EC057	LIKITH A		
	1SG23EC006	AKASH J		
	1SG23EC012	BHARATH H C		
15	1SG23EC044	JAYANTH Y	Ultrasonic Glasses For the Blind.	Prof. Kalavathi
	1SG23EC045	JEEVAN K S		
	1SG23EC042	HITESH L		
	1SG23EC019	DARSHAN B S		
1	1SG23EC038	HEMANTH A T	automatic fire extinguisher	Prof. Rashmi H
	1SG23EC106	SNEHA T		
	1SG23EC088	REESHMA GOTHE		
	1SG23EC102	SHREYA C		
2	1SG23EC093	SANJANA J	Fingerprint door locking system	Prof. Padmavathi C
	1SG23EC076	POORVIKA L PATIL		
	1SG23EC125	YASHASVINI M		
	1SG23EC095	SHARADHI B R		
3	1SG23EC103	SHREYA KS	vacuum cleaner robot	Prof. Suma V Shetty
	1SG23EC091	SANCHITA R		
	1SG23EC120	VACHANA TR		
	1SG23EC080	PRANOLI		
4	1SG23EC081	PRIYANKA	Air cooler	Prof. Agalya P
	1SG23EC082	PUNITH		
	1SG23EC083	RACHANA AND RASHMI		
	1SG23EC111	SRUJAN R		
5	1SG23EC075	NRUPATHUNGA CV	ultrasonic glass for the blind peoples	Prof. Ravi Shankara M N
	1SG23EC100	SHIVA DARSHAN S		
	1SG23EC123	VIJAY D		
	1SG23EC071	NAYANA. T. D		
6	1SG23EC079	PRANAMYA RAO	Automatic fire extinguisher	Prof. Shobha S
	1SG23EC112	SUJAN. S		
	1SG23EC113	SUJITH G		
	1SG23EC124	VIKAS K R		
7	1SG23EC114	TEJAS R N	SOLAR TRACKER	Prof. Rupashree
	1SG23EC117	UDAYADITHYA. R		
	1SG23EC090	SACHIN A K		
	1SG23EC096	SHARAN N		
9	1SG23EC064	MEGHARAJ M E	magnetic suspension system	Pratibha P
	1SG23EC072	NEERAJ SAGAR GOWDA		
	1SG23EC074	NIKITH KUMAR G		
	1SG23EC073	NIDHI S SHETTY		
10	1SG23EC078	PRAKRUTHI B Y	IR proximity sensor	Prof. Surekha
	1SG23EC094	SANJANA S		
	1SG23EC067	NAGASHREE B R		
	1SG23EC107	SOMESH MS		
11	1SG23EC089	RITHESH R	Laser Security alarm	Dr. Nagaraj A M
	1SG23EC119	V DEEKSHITH		
	1SG23EC126	YASHWANTH PATEL M		
	1SG23EC105	VIDVATH T VASISHTA		
12	1SG23EC104	SHREYAS G	Phone Signal detector	Prof. Chaithra H N
	1SG23EC122	VIGNESHA N		
	1SG23EC115	THEJAS R		
	1SG23EC077	PRAJWAL HS		

13	1SG23EC071	NAVEEN KUMAR TV	Home Automation	Manasa MG
	1SG23EC068	NAMITH S BALAJI		
	1SG23EC118	ULLAS K		
15	1SG23EC109	SOWJANYA	automatic rainfall detector	Prof. Vishalakshi G R
	1SG23EC108	SONIYA.H		
	1SG23EC098	SHILPASHREE		
	1SG23EC110	SRI MADHURA G		
16	1SG23EC065	MITHUN	wireless power transmission	Prof. Rashmi H
	1SG23EC066	MOHITH		
	1SG23EC116	UDAY KUMAR D		
	1SG23EC097	SHASHANK N SINGH		
	1SG23EC084	RAHUL		
17	1SG23EC086	RANJITH SUDHAKAR HS	water level controller	Prof. Roopa shree M
	1SG23EC101	SHIVA PRASAD MA		
	1SG23EC069	NAVEEN KUMAR		
	1SG23EC099	SHIVA SWAROOP M D		
	1SG23EC092	SANDESH GOWDA C K		

*[Signature]*  
HOD, ECE

Head of the Department  
Electronics & Communication  
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*[Signature]*  
Principal

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# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018

## A Mini Project Report on LASER SECURITY ALARM



By

D S MEGHANA	1SG23EC0126
SANJANA J	1SG23EC104
KAVANA G R	1SG23EC092
SANJANA S	1SG23EC123

*Submitted in partial fulfillment of requirement of 1<sup>st</sup> semester for the award of the degree 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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2023

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# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI, KARNATAKA, INDIA – 590 018

A Mini Project Report on

## AUTOMATIC ROOM LIGHT AND FAN CONTROLLER



By

MEGHARAJ M E 1SG23EC103

DARSHAN N R 1SG23EC020

ADITYA MANJUNATH NAIK 1SG23EC004

SANDESH GOWDA C K 1SG23EC092

*Submitted in partial fulfillment of requirement of 1<sup>st</sup> semester for the  
award of the degree of*

**BACHELOR OF ENGINEERING**

in

**ELECTRONICS & COMMUNICATION ENGINEERING**

Under the guidance of

**PADMAVATHI C**

  
Principal

Septhagiri College of Engineering  
Chikkasandra, Hesaraghatta  
Bangalore-56



**VISVESVARAYATECHNOLOGICALUNIVERSITYJNANA**  
**SANGAMA, BELAGAVI – 590018.**



**MINI PROJECT REPORT ON**  
**“SIMPLE DOOR LOCK SENSOR”**

**BACHELOR OF ENGINEERING**  
**IN**  
**ELECTRONICS AND COMMUNICATION ENGINEERING**

*Submitted by*

<b>SOMESH M S</b>	<b>1SG23EC077</b>
<b>SHIVAPRASAD M A</b>	<b>1SG23EC070</b>
<b>DEEKSHIT KUMAR</b>	<b>1SG23EC105</b>
<b>UDAYADITHYA R</b>	<b>1SG23EC117</b>

*Under the guidance of*  
**Dr.A M NAGARAJA**  
**Professor**



**Department of Electronics & Communication Engineering**  
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14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

**2023-24**

**Principal**

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**Bangalore-560 057**

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

A Mini Project Report

on

## LASER HOME SECURITY ALARM SYSTEM



By

SANCHITHA R  
SHREYA KS  
VACHANA TR

1SG23EC066  
1SG23EC073  
1SG23EC087

*Submitted in partial fulfillment of requirement of 1<sup>ST</sup>  
semester for the award of the degree of*

## BACHELOR OF ENGINEERING

in

## ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

**Prof. Padmavathi**

ASSISTANT PROFESSOR



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
BELAGAVI - 590 018

A Mini Project Report  
On  
**HOTEL MANAGEMENT**



BY

SHILPASHREE P	1SG23EC068
SONIYA	1SG23EC078
SRIMADHURA	1SG23EC079
SOWJANYA V T	1SG23EC116

*Submitted in partial fulfillment of requirement of 1ST semester for  
the award of the degree of*  
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Under the guidance of

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*[Handwritten signature]*  
Principal  
Sapthagiri College of Engineering  
Bengaluru - 560 057



VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
BELAGAVI - 590 018

A Mini Project Report  
On  
**HOTEL MANAGEMENT**



BY

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In

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# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018

A Mini Project Report  
on

## GAS LEAKAGE DETCTION



By

SHREYAS G  
THEJAS R  
VIGNESHA N  
GANESH

1SG23EC074  
1SG23EC112  
1SG23EC088  
1SG23EC114

*Submitted in partial fulfillment of requirement of 1ST semester for  
the award of the degree of*

## BACHELOR OF ENGINEERING

in

## ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

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ASSOCIATE PROFESSOR

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
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# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018

A Mini Project Report on

## GENERATION OF ELECTRICAL ENERGY



By,

VIJAY D DAVANAKATTI

1SG23EC090

SHIVADHARSHA GUNARI

1SG23EC069

SRUJAN R ROKKAD

1SG23EC090

MALLIKARJUN K PYATI

1SG23EC100

*Submitted in partial fulfillment of requirement of 1<sup>st</sup> semester for  
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## BACHELOR OF ENGINEERING

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Under the guidance of

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ASSISTANT PROFESSOR



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# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018

A Mini Project Report on

VACCUME CLEANER



By,

SACHIN A K

1SG23EC090

SHIVASWAROOP M D

1SG23EC099

*Submitted in partial fulfillment of requirement of 1<sup>st</sup> semester for  
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**BACHELOR OF ENGINEERING**

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**ELECTRONICS & COMMUNICATION ENGINEERING**

Under the guidance of

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# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018

A Mini Project Report  
on

## LASER SECURITY SYSTEM



By

SUJITH G  
ULLAS K  
NIKITH KUMAR G  
A ABDUL AHAD

1SG23EC082  
1SG23EC086  
1SG23EC093  
1SG23EC107

*Submitted in partial fulfillment of requirement of 1ST semester for  
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## BACHELOR OF ENGINEERING

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## ELECTRONICS & COMMUNICATION ENGINEERING

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ASSISTANT PROFESSOR

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
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# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI, KARNATAKA, INDIA – 590 018

A Mini Project Report on

## AUTOMATIC ROOM LIGHT AND FAN CONTROLLER



By

MEGHARAJ ME 1SG23EC103

*Submitted in partial fulfillment of requirement of 1<sup>st</sup> semester for the  
award of the degree of*

## BACHELOR OF ENGINEERING

in

## ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of  
**PADMAVATHI C**  
ASSISTANT PROFESSOR



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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2023-2024

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Bangalore 560 081



# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

## A Mini Project Report on RAIN ALARM PROJECT



By

GOWRIKA J GOWDA	1SG23EC113
REESHMA GOTHE	1SG23EC064
SHREYA C	1SG23EC072
SNEHA.T	1SG23EC076

*Submitted in partial fulfillment of requirement of 1<sup>ST</sup>  
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Under the guidance of  
**Prof. Rashmi.H**  
ASSISTANT PROFESSOR



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BELAGAVI - 590 018



A Mini Project Report  
on

## AUTOMATIC LED STREET LIGHT

By

GANAVI PM.	1SG23EC101
NIDHI S SHETTY.	1SG23EC120
PRAKRUTHI B Y.	1SG23EC124

*Submitted in partial fulfillment of requirement of 1<sup>st</sup> semester  
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## BACHELOR OF ENGINEERING

in

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Under the guidance of

CHAITHRA N

ASSISTANT PROFESSOR



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**BELGAVI – 590 018**

**A MINI PROJECT REPORT**

**ON**

**LASER HOME SECURITY SYSTEM**



**BY**

**SUJAN.S**

**USN:1SG23EC081**

**UDAY KUMAR: D**

**USN:1SG23EC084**

**SHASHANK.N.SINGH**

**USN:1SG23EC067**

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

**BACHELOR OF ENGINEERING**

**In**

**ELECTRONICS & COMMUNICATION ENGINEERING**

**Under the guidance of**

**Prof. Vishalakshi**

**Assistant Professor**



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

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Bengaluru

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018

## A Mini Project Report on **HOTEL MANAGEMENT**



By

SRI MADHURA G  
SONIYA H  
SHILPA SHREE P  
SOWJANYA V T

1SG23EC079  
1SG23EC078  
1SG23EC068  
1SG23EC116

*Submitted in partial fulfillment of requirement of 1ST  
semester for the award of the degree of*

## **BACHELOR OF ENGINEERING** in **ELECTRONICS & COMMUNICATION ENGINEERING**

Under the guidance of

**Prof. RUPASHREE. M**  
ASSISTANT PROFESSOR

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560057

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Bangalore-560 057



VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
BELAGAVI – 590 018

A Mini Project Report  
on  
**LDR DARK SENSOR**



BY

ABHISHEK P  
RANJITH SUDHAKAR H S  
NAVEEN KUMAR  
AMARTYA S

1SG23EC096  
1SG23EC099  
1SG23EC111  
1SG23EC115

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**PROF.SHOBHA S**  
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# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590 018

A Mini Project Report on

## FIRE SENSOR



By

CHINMAYI B	1SG23EC0109
POORVIKA L PATIL	1SG23EC106
SHARADHI B R	1SG23EC118
YASHASVINI M	1SG23EC125

*Submitted in partial fulfilment of requirement of 2<sup>nd</sup> semester for  
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## BACHELOR OF ENGINEERING

in

## ELECTRONICS & COMMUNICATION ENGINEERING

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# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI-590 018

## A Mini Project Report on CLAP SWITCH

By

TEJAS RN	1SG23EC083
<del>SACHIN</del>	<del>1SG23EC064</del>
VIKAS	1SG23EC091
VIDVATH T	1S23GEC088

*Submitted in partial fulfillment of requirement of 1st semester for the award of the  
degree of*

## BACHELOR OF ENGINEERING

in

## ELECTRONICS & COMMUNICATION ENGINEERING

Under the guidance of

**MANASA M G**

ASSISTANT PROFESSOR



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## Sapthagiri College of Engineering,

(Affiliated to Visvesvaraya Technological University and Approved by AICTE) NAAC Accredited with 'A'  
Grade

Accredited by NBA

ISO 9001-2015 and 14001-2015 certified Institute

Bengaluru, Karnataka 560057

2023-2024

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