

SAPTHAGIRI COLLEGE OF ENGINEERING

A UNIT OF SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
(Accredited by NAAC with "A" Grade) (Accredited by NBA for ECE, CSE, ISE, ME & EEE)
(An ISO 9001 – 2015 & ISO 14001 – 2015 Certified Institution)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057. Phone: 080 – 28372800
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

I YEAR MINI-PROJECT BATCHES

SL.NO	USN	STUDENTS NAME	TITLE OF PROJECT
1.	1SG23EE120	VEDA V	Servo Distance Indicator Using Ultrasonic Sensor
	1SG23EE099	RAKSHITHA R	
	1SG23EE114	TANISH S JAIN	
	1SG23EE098	RAJATH V	
	1SG23EE102	SHASHANK T S	
	1SG23EE107	SINDHU R	
	1SG23EE070	MANOJ K	
2.	1SG23EE068	ADWITH GOWDA	Transforming 2D Images into 3D Images using Holographic Techniques
	1SG23EE105	PAVAN R	
	1SG23EE100	NASRIN	
	1SG23EE121	VARSHINI	
	1SG23EE103	NITHIN	
	1SG23EE075	BHAVANA	
	1SG23EE073	BHANUSHREE	
	1SG23EE089	HARSHITHA	
	1SG23EE119	SHRUSHTI	
3.	1SG23EE007	AMRUTHA DUTT	Tesla Coil
	1SG23EE008	ANANYA S R	
	1SG23EE012	BASALINGAPPA H	
	1SG23EE053	JAYANTH ARADYA S	
	1SG23EE067	MANISH S	
	1SG23EE066	MANASA M J	
	1SG23EE085	PAVITHRA M	
	1SG23EE086	PIKESH SANA	
4.	1SG23EE002	AISHWARYA G	Temperature Detector Using LM35 Sensor
	1SG23EE010	ANGEL THOMAS	
	1SG23EE040	GOWRIKA M	
	1SG23EE023	CHANDRIKA	
	1SG23EE044	HARSHITHA G R	
	1SG23EE063	MADHU S	
5.	1SG23EE117	VARSHINI N S	Wireless Cellphone Detector
	1SG23EE096	PRIYANKA R	
	1SG23EE095	PRIYANKA H	
	1SG23EE101	RASHMI A	
	1SG23EE109	SREELEKHA S	
	1SG23EE103	SHEETHAL GOWDA R	
	1SG23EE075	NAMRATHA J	
	1SG23EE122	VIVEK K V	
6.	1SG23EE006	AMRITHA SHREE A	LPG Gas Leakage Detector
	1SG23EE014	BHARATH KUMAR C V	

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	1SG23EE018	BHUVANA GIRISH	
	1SG23EE027	DEEPAK RAJ G P	
	1SG23EE029	DHANUSH S	
	1SG23EE037	GANESH N	
	1SG23EE049	HEMASHREE K	
7.	1SG23EE064	MD SADIQ	Solar Tracking System
	1SG23EE108	SNEHA D K	
	1SG23EE080	NITHIN RAMESH	
	1SG23EE084	PAVITHRA	
	1SG23EE112	SUDEEP V	
8.	1SG23EE079	NITHIN POOJAR H S	Security Alarm Using Ultrasonic Sensor
	1SG23EE081	NIVAS K	
	1SG23EE088	POOJA R	
	1SG23EE090	PRAKRUTHI R	
	1SG23EE104	SHREYA S	
	1SG23EE118	VARUN GOWDA P	
	1SG23EE123	YASHAS N	
	1SG23EE125	YESHWANTH A S	
9.	1SG23EE065	MANAS M	Touch Sensor
	1SG23EE071	MANYA H S	
	1SG23EE072	MEGHANA B	
	1SG23EE073	MEGHANA D	
	1SG23EE074	MYTHRI N	
	1SG23EE082	PANIBHUSHANA J N	
	1SG23EE092	PRATHIMA	
	1SG23EE111	SUDEEP	
10.	1SG23EE004	AISHWARYA S R	Wireless Electric Vehicle Charging System
	1SG23EE011	ARPITA GANAPATI NAYAK	
	1SG23EE016	BHOOMIKA H	
	1SG23EE031	DISHA S	
	1SG23EE032	DIVYA G	
	1SG23EE035	GANAVI P	
	1SG23EE059	KAVYA M	
11.	1SG23EE054	JEEVANTH KUMAR K M	Automatic Fire Extinguisher Project with Hydraulic Movement
	1SG23EE041	GURU PRASAD	
	1SG23EE039	GIREESH S G	
	1SG23EE043	HARSHA K	
	1SG23EE038	GANAPRIYA	
	1SG23EE036	GANESH C	
	1SG23EE047	HEMANTH A	
12.	1SG23EE003	AISHWARYA R	Wireless Power Transmission
	1SG23EE009	ANDREA W FERNANDES	

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

1SG23EE017	BHOOMIKA I N	
1SG23EE019	BINDU V	
1SG23EE021	CHAMPUKALA B P	
1SG23EE042	HARINI PRABHAKAR	
1SG23EE052	ISHWARYA S	
1SG23EE061	KRUTHI N R	


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

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

CERTIFICATE



Certified that the project work entitled **SERVO DISTANCE INDICATOR USING ULTRASONIC SENSOR** is carried out by **VEDA V** bearing USN [1SG23EE120], **RAKSHITHA R** bearing USN [1SG23EE099], **SINDHU R** bearing USN [1SG23EE107], **TANISH S JAIN** bearing USN [1SG23EE114], **RAJATH V** bearing USN [1SG23EE098], **SHASHANK T S** bearing USN [1SG23EE102], **MANOJ K** bearing USN [1SG23EE70], bonafide students of **Sapthagiri College of Engineering** in partial fulfilment for the award of **Bachelor of Engineering** in department of **Electrical and Electronics Engineering** of **Visvesvaraya Technological University, Belagavi** during the academic year **2023-24**. It is certified that all corrections/suggestions indicated in the Internal Assessment have been incorporated in the report deposited. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

Sign. of the Internal Guide

APARNA DAS
Asst Professor

Signature of the HOD

Dr. Rekha S N
Professor &HOD

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING



CERTIFICATE

Certified that the project work entitled **TRANSFORMING 2D IMAGE INTO 3D IMAGE USING HOLOGRAPHIC TECHNIQUES** is carried out by **ADWITH** bearing USN [1SG23EE068], **PAVAN** bearing USN [1SG23EE105], **NASRIN** bearing USN [1SG23EE100], **VARSHINI** bearing USN [1SG23EE121], **NITHIN** bearing USN [1SG23EE103], **BHAVANA** bearing USN [1SG23EE075], **BHANUSHREE** bearing USN [1SG23EE073], **HARSHITHA** bearing USN [1SG23EE089], **SHRUSHTI** bearing USN [1SG23EE119], bonafide students of Sapthagiri College of Engineering in partial fulfilment for the award of **Bachelor of Engineering** in Department of **Electrical and Electronics Engineering** of Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. It is certified that all corrections/suggestions indicated in the Internal Assessment have been incorporated in the report deposited. The project report has been approved as it satisfies the academic requirements regarding the project work prescribed for the Bachelor of Engineering Degree.

Sign. of the Internal Guide

Dr. G Raghavendra

Associate. Professor

Signature of the HOD

Dr. Rekha S N

Professor & H.O.D

External Viva

Name of the examiners

1.

2.

Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Signature with date

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NBA accredited

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560 057.



Department of Electrical and Electronics Engineering

CERTIFICATE

Certified that the project work entitles on power transfer system in tesla coil carried out by ANANYA SR bearing USN [1SG23EE004], AMRUTHA DUTT B bearing USN [1SG23EE003], PIKESH SANA bearing USN [1SG23EE048], MANASA M J bearing USN [1SG23EE035], PAVITHRA M bearing USN [1SG23EE047], BASALINGAPPA HADIMANI bearing USN [1SG23EE007], JAYANTH ARADHYA S bearing USN [1SG23EE026], MANISH S bearing USN [1SG23EE067] fulfilment for the award of Bachelor of Engineering in department of Electrical and Electronics Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that all corrections/suggestions indicated in the Internal Assessment have been incorporated in the report deposited. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the Bachelor of Engineering Degree.

Dr.G.Raghavendra
(Assoc. Prof & Guide)

Dr.Rekha.S.N
(Prof. & HOD)

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING



CERTIFICATE

Certified that the mini project work entitled TEMPARATURE DETECTOR USING LM35 SENSOR is carried out by AISHWARYA G bearing USN [1SG23EE002], AMRUTHA DUTT B bearing USN [1SG23EE007], ANANYA SR bearing USN [1SG23EE008], GOWRIKA M bearing USN [1SG23EE040], ANGEL THOMAS bearing USN [1SG23EE010], CHANDRIKA bearing USN [1SG23EE023], HARSHITHA GR bearing USN [1SG23EE044], MADHU S bearing USN [1SG23EE063] bonafide students of Sapthagiri College of Engineering in partial fulfilment for the award of **Bachelor of Engineering** in department of **Electrical and Electronics Engineering** of Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. It is certified that all corrections/suggestions indicated in the Internal Assessment have been incorporated in the report deposited. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

Sign. of the Internal Guide

A.DHAMODARAN

Asst. Professor

Signature of the HOD

Dr. Rekha S N

Professor & H.O.D

Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the project work entitled "WIRELESS CELL PHONE DETECTOR" is carried out by VARSHINI NS bearing USN [1SG23EE117], PRIYANKA R bearing USN [1SG23EE096], PRIYANKA H bearing USN [1SG23EE095], RASHMI A bearing USN [1SG23EE101], SREELEKHA S bearing USN [1SG23EE109], SHEETHAL GOWDA R bearing USN [1SG23EE103], VIVEK K V bearing USN [1SG23EE122], NAMRATHA J bearing USN [1SG23EE075], bonafide students of Sapthagiri College of Engineering in partial fulfilment for the award of Bachelor of Engineering in department of **Electrical and Electronics Engineering** of Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. It is certified that all corrections/suggestions indicated in the Internal Assessment have been incorporated in the report deposited. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

Mrs. Deepa Bavidhodi
Assistant Professor
(Project guide)

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Dr. Rekha S.N
(Prof. & HOD)

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14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 56057

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the project work entitled **LPG GAS LEAKAGE DETECTOR** is carried out by **AMRITHA SHREE A, BHARATH KUMAR CV, BHUVANA GIRISH, DEEPAK RAAJ GP, DHANUSH S, GANESH N, HEMASHREE K.** Bonafide students of **Sapthagiri College of Engineering** in partial fulfilment for the award of Bachelor of Engineering in department of **Electrical and Electronics Engineering of Visvesvaraya Technological University, Belagavi** during the academic year 2023-24. It is certified that all correction/ suggestions indicated in the Internal Assessment have been incorporated in the report deposited. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree

Komala. N.V

Sign of Internal guide

KOMALA N V

Asst. Professor

Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

for *Dr. Rekha S N*

Signature of the HOD

Dr. Rekha S N

Professor & HOD

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING



CERTIFICATE

Certified that the project work entitled on **SOLAR TRACKING SYSTEM** is carried out by **PIKESH SANA** bearing USN [1SG23EE086], **SUDEEP** bearing USN [1SG23EE112], **MD SADIQ** bearing USN [1SG23EE064], **NITHIN RAMESH** bearing USN [1SG23EE080], **SNEHA DK** bearing [1SG23EE108], **PAVITHRA** bearing [1SG23EE084], **PAVITHRA M** bearing [1SG23EE085], **MANASA M** bearing [1SG23EE066], bonafide students of Sapthagiri College of Engineering in partial fulfilment for the award of **Bachelor of Engineering** in department of **Electrical and Electronics Engineering** of Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. It is certified that all corrections/suggestions indicated in the Internal Assessment have been incorporated in the report deposited. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

Sign. of the Internal Guide

Rekha K L

Asst. Professor

Signature of the HOD

Dr. Rekha S N

Professor & H.O.D

External Viva

Name of the examiners

1.

2.

Signature with date

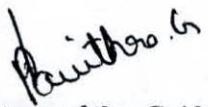
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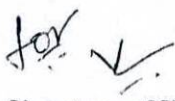



Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

CERTIFICATE

Certificated that the project work entitled Security alarm using ultra sonic sensor is carried out by NITHIN POOJAR HS bearing USN [1SG23EE079], NIVAS K bearing USN [1SG23EE081], POOJA R bearing USN [1SG16EE088], PRAKRUTHI R bearing USN [1SG23EE090], SHREYA S bearing USN [1SG23EE074], VARUN GOWDA P bearing USN [1SG23EE118], YASHAS N bearing USN [1SG23EE123], YESHWANTH AS bearing USN [1SG23EE125], Bonafide students of Sapthagiri College of Engineering in partial fulfilment for the award of Bachelor of Engineering in department of Electrical and Electronics Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2024-25. It is certified that all corrections/suggestions indicated in the Internal Assessment have been incorporated in the report deposited. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.


Signature of the Guide
PAVITHRA G
Assistant Professor
Dept of EEE,SCE


Signature of HOD
Dr. Rekha.N
Professor And HOD
Dept of EEE,SCE


Signature of Principal
Dr. H Ramakrishna
Principal
SCE


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING



CERTIFICATE

Certified that the project work entitled TOUCH SESNSOR is carried out by bearing MANAS.M USN [1SG23EE065], MANYA.H. S bearing USN [1SG23EE071], MEGHANA.B bearing USN [1SG23EE072],MEGHANA.D bearing USN[1SG17EE073],MYTHRI.N bearing USN[1SG23EE074],PANIBHUSHANA.J.N bearing USN[1SG23EE082],PRATHIMA bearing USN [1SG23EE092],SUDEEP bearing USN [1SG23EE111]Bonafide students of Sapthagiri College of Engineering in partial fulfilment for the award of **Bachelor of Engineering** in department of **Electrical and Electronics Engineering** of Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. It is certified that all corrections/suggestionsindicated in the Internal Assessment have been incorporated in the report deposited. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

Sign. of the Internal Guide

MEGHANA G V

Asst. Professor

Signature of the HOD

Dr. Rekha S N

Professor & H.O.D

External Viva

Name of the examiners

- 1.
- 2.

Signature with date

Principal

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14/5, Chikkasandra, Hesaraghatta Main Road
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Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING



CERTIFICATE

Certified that the project work entitled **WIRELESS ELECTRIC VEHICLE CHARGING SYSTEM** is carried out by **AISHWARYA S R** bearing USN [1SG23EE004], **ARPITA GANAPATI NAIK** bearing USN [1SG23EE011], **BHOOMIKA H** bearing USN [1SG23EE016], **DISHA S** bearing USN [1SG23EE031], **DIVYA G** bearing USN [1SG23EE032], **GANAVI P** bearing USN [1SG23EE035], **KAVYA M** bearing USN [1SG23EE059] bonafide students of Sapthagiri College of Engineering in partial fulfilment for the award of **Bachelor of Engineering** in department of **Electrical and Electronics Engineering** of Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. It is certified that all corrections/suggestions indicated in the Internal Assessment have been incorporated in the report deposited. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

Sign. of the Internal Guide

NAME OF GUIDE
MEGHANA G V
Asst. Professor

Signature of the HOD

Dr. Rekha S N
Professor & H.O.D

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

CERTIFICATE



Certified that the project work entitled *Automatic fire extinguisher project with hydraulic* is carried out by **J VANTHKUMAR KM, GURUPRASAD, HARSHA K, HEMANTH A, JAYANTHARADAYA S, GIREESH SG, GANAPRIYA, GANESH C.** bonafide students of Sapthagiri College of Engineering in partial fulfilment for the award of **Bachelor of Engineering** in department of **Electrical and Electronics Engineering** of Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. It is certified that all corrections/suggestions indicated in the Internal Assessment have been incorporated in the report deposited. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

Sign. of the Internal Guide

Dr. Ragavendra
Dr. Ragavendra

Asst. Professor

Mr. R. S. R.

Signature of the HOD

for
Dr. Rekha S N

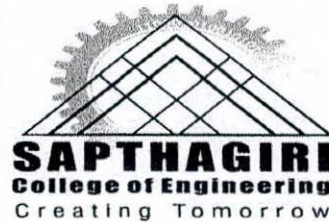
Professor & H.O.D

Principal

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Bengaluru - 560 057

Department of Electrical & Electronics Engineering

SAPTHAGIRI COLLEGE OF ENGINEERING



CERTIFICATE

~~Certified that the project work entitled WIRELESS POWER TRANSMISSION is carried out by~~
~~ISHWARYA R bearing USN [1SG23EE003], ANDREA W FERNANDES bearing USN~~
~~[1SG23EE009], HARINI PRABHAKAR bearing USN [1SG23EE042], CHAMPUKALA BP bearing~~
~~USN [1SG23EE021], BHOO MIKA IN bearing USN [1SG23EE017], ISHWARYA S bearing USN~~
~~[1SG23EE062], BINDU V bearing USN [1SG23EE019], KRUTHI NR bearing USN [1SG23EE061],~~
~~successful students of Sapthagiri College of Engineering in partial fulfilment for the award of Bachelor of~~
~~Engineering in department of Electrical and Electronics Engineering of Visvesvaraya Technological~~
~~University, Belagavi during the academic year 2023-24. It is certified that all corrections/suggestions~~
~~indicated in the Internal Assessment have been incorporated in the report deposited. The project report has~~
~~been approved as it satisfies the academic requirements in respect of project work prescribed for the~~
~~Bachelor of Engineering Degree.~~


Sign of Internal guide

Prof. Ramya M
Asst. Professor


Signature of the HOD

Dr. Rekha S N
Professor & HOD


Principal
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