

SAPTHAGIRI COLLEGE OF ENGINEERING

(AFFILIATED TO VTU, BELAGAVI. APPROVED BY AICTE, NEW DELHI), (An ISO 9001:2015 and 14001:2015 Certified Institution), (Accredited by

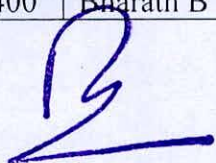
No. 14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560107

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

III YEAR MINI-PROJECT BATCHES

SL.NO.	USN	STUDENT NAMES	TITLE OF PROJECT
B1	1SG20EE402	Huidrom Tulajit Singh	Medicine Reminder
	1SG20EE407	Pallavi N	
	1SG20EE408	Prajwal A	
B2	1SG20EE005	Chethana N	Speed Control of Induction Motor
	1SG20EE006	Deepa shelkey	
	1SG20EE010	Ganavi L	
	1SG20EE034	Varsha K V	
B3	1SG20EE022	Pooja J R	Inverter using transistor.
	1SG20EE033	Usha R	
	1SG20EE405	M Z Umar Hussain	
B4	1SG20EE012	Hemanth S	Smart parking solution
	1SG20EE014	Kavya S Jevargi	
	1SG20EE015	M V Harshitha	
	1SG20EE032	Sumanth Y	
B5	1SG20EE002	Aksthatha B	ARDUINO based fire detection and control system.
	1SG20EE038	Yashaswini S	
	1SG20EE011	Harshith M K	
	1SG20EE021	Nitheesh S	
B6	1SG20EE016	Madhusudana K J	Computer Numerical Control (CNC)
	1SG20EE013	Jayashree B G	
	1SG20EE031	Sujay R	
	1SG20EE020	Nandini N	
B7	1SG20EE027	Sathvik H R	Temperature Control fan using Arduino
	1SG20EE035	Vinuth H S	
	1SG18EE024	Chethan G N	
	1SG20EE039	Yeshwanth Gowda S M	
B8	1SG20EE018	Manjunath B P	Infinite range EV

	1SG20EE019	Mohan S	
	1SG20EE023	Pragathi NR	
	1SG20EE028	Sirali Singh	
B9	1SG20EE001	Adithya Havali	Fire fighting robot using Arduino
	1SG20EE007	Divya Shree AH	
	1SG20EE008	Gagan MN	
	1SG20EE024	Prerna Sharma	
B10	1SG20EE004	Chethan Kumar G	Water levitation
	1SG20EE009	Gagan S Patagar	
	1SG20EE017	Madhusudhan V	
	1SG20EE036	Vinuth Kumar A	
B11	1SG21EE403	Keshav reddy	Weather monitoring system
	1SG21EE404	Mahesh M	
	1SG21EE411	Sharon P	
	1SG21EE412	Sudarshan B	
B12	1SG21EE401	Darshan N G	Laser security alarm system
	1SG21EE409	Prajwal SM	
	1SG21EE413	Yashavanth BR	
	1SG20EE003	Ananya	
B13	1SG20EE037	Vishwanath Gowda M V	Automatic plant watering system
	1SG20EE025	Rajeshwari C H	
	1SG21EE400	Bharath B S	



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


HOD, EEE

PROF & HOD
 Department of Electrical & Electronics Engineering
 Sapthagiri College of Engineering
 Bangalore - 560057

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING



CERTIFICATE

Certified that the project work entitled **MEDICINE REMINDER** is carried out by **HUIDROM TULAJIT SINGH** bearing USN [1SG21EE402], **PALLAVI N** bearing USN [1SG21EE407], **PRAJWAL A** bearing USN [1SG21EE408], 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 **2022-23**. 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. Rekha S N
Professor & H.O.D

Signature of the HOD
Dr. Rekha S N
Professor & H.O.D

Signature of the Principal
Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. **AKSHMI KANTH REDDY**
2. **Dr. Vidya M**

Signature with date

Dr. H. Ramakrishna 19/7/23
Vidya M 19/7/23

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 **SPEED CONTROL OF INDUCTION MOTOR** is carried out by **CHETHANA N** bearing USN [1SG20EE005], **S DEEPS SHELKEY** bearing USN [1SG20EE006], **GANAVI L** bearing USN [1SG20EE010], **VARSHA K V** bearing USN [1SG20EE034], 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 **2022-23**. 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. Raghavendra G
Associate Professor

Signature of the HOD
Dr. Rekha S N
Professor & H.O.D

Signature of the Principal
Dr. H. Ramakrishna
Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

External Viva

Name of the examiners

1. **LALITHA MUKANTH REDDY**
2. **Dr. Vidya . M**

Signature with date

Dr. H. Ramakrishna 19/7/23
Dr. Vidya . M 19/7/23


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

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to VTU, Belagavi) An ISO 9001:2015 &
14001:2015 certified institution
Accredited by NAAC with 'A' grade

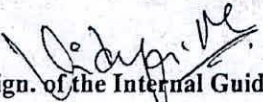
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560 057.

Department of Electrical & Electronics Engineering




CERTIFICATE

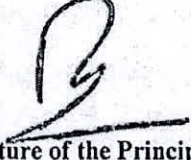
Certified that the project work entitled "INVERTER USING TRANSISTOR" is carried out by POOJA J R bearing USN [1SG20EE022], USHA R bearing USN [1SG20EE033], M Z UMAR HUSSAIN bearing USN [1SG21EE405], bonafide students of Sapthagiri College of Engineering in partial fulfilment for the award of Bachelor of Engineering in department of Electrical and Electronics Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-23. 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. Vidya M
Associate Professor


Signature of the HOD

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


Signature of the Principal

Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

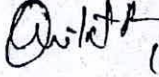
1. A. K. S. H. M. KANTH REDDY

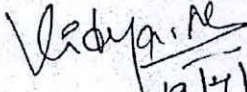
2. Dr. Vidya M


Principal

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

Signature with date

 19/7/23

 19/7/23



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14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

Certified that the mini project entitled "SMART PARKING SYSTEM" is carried out by Hemanth S (1SG20EE012), Kavya S Jevargi (1SG20EE014), M V Harshitha (1SG20EE015) and Sumanth Y (1SG20EE032), 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 **2022-2023**. It is also 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 prescribed for the Bachelor of Engineering Degree.

Signature of the Internal Guide

Prof. A. DHAMODARAN

Assistant Professor

Signature of the HOD

Dr. REKHA S N

Professor & H.O.D

Signature of the Principal

Dr. H. RAMAKRISHNA

Principal

External viva

Name of the examiners:

1. A. ALEXANDER REDDY

2. Dr. Vidya M

Signature with date

19/7/23

19/7/23

Principal

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

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Accredited by NAAC with 'A' grade 14/5, Chikkasandra

Hesaraghatta Main Road, Bengaluru - 560 057.



Department of Electrical & Electronics Engineering

CERTIFICATE

Certified that the mini project entitled "ARDUINO BASED FIRE DETECTION AND CONTROL SYSTEM" is carried out by AKSHATHA B (1SG20EE002), HARSHITH MK (1SG20EE011), NITEESH(1SG20EE021) ,YASHASWINI S (1SG20EE038), 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 2022-2023. 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 prescribed for the Bachelor of Engineering Degree.

Sign. of the Internal Guide

Mrs. Ashwini.C

Asst. Professor

Signature of the HOD

Dr. Rekha S N

Professor & HOD

Signature of the Principal

Dr. H. Ramakrishna

Principal

External Viva

Name of the examiners

1. LAKSHMIKANTH REDDI

2. Dr. Vidya. M

Principal

Signature with date

Dr. H. Ramakrishna 19/7/23

Vidya. M 19/7/23

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



CERTIFICATE

Certified that the project work entitled COMPUTER NUMERICAL CONTROL carried out by **JAYASHREE B G** bearing USN [1SG20EE013], **MADHUSUDANA K J** bearing USN [1SG20EE016], **NANDINI N** bearing USN [1SG20EE020], **SUJAY** bearing USN [1SG20EE031], 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 **2022-23**. 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

Mrs. Ramya M
Asst. Professor

Signature of the HOD

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

Signature of the Principal

Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. **LAKSHMIKANTH REDDY**

2. **Dr. Vidyam**

Signature of the Principal

Signature with date

Dr. H. Ramakrishna 19/7/23

Vidyam 19/7/23

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



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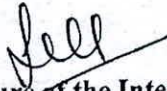
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
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE

Certified that the mini project entitled "TEMPERATURE CONTROL FAN USING ARDUINO" is carried out by Sathvik H R(1SG20EE027), Yeshwanth Gowda(1SG20EE039), Vinuth H S (1SG20EE035) and Chethan G N (1SG18EE024), 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 2022-2023. It is also 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 prescribed for the Bachelor of Engineering Degree.

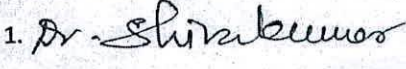
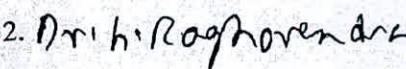

Signature of the Internal Guide
Dr. Swetha G
Assistant Professor

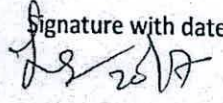


Signature of the HOD
Dr. REKHA S N
Professor & H.O.D


Signature of the Principal
Dr. H. RAMAKRISHNA
Principal

External Viva

Name of the examiners

1. 
Dr. Shivakumar
2. 
Dr. H. Raghavendra

Signature with date


20/7/23

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

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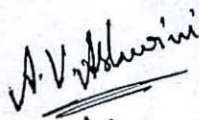
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


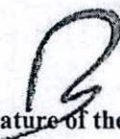
Department of Electrical & Electronics Engineering

CERTIFICATE

Certified that the project work entitled **Infinite Range EV** is carried out by **Manjunath BP** bearing USN [1SG20EE018], **Mohan S** bearing USN [1SG20EE019], **Pragathi NR** bearing USN [1SG20EE023], **Sirali Singh** bearing USN [1SG20EE028], bonafide students of Sapthagiri College of Engineering in partial fulfillment for the award of **Bachelor of Engineering** in department of **Electrical and Electronics Engineering** of Visvesvaraya Technological University, Belagavi during the academic year **2022-23**. 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.

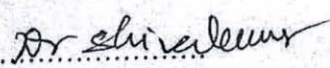
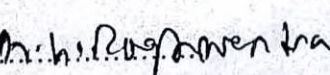

Sign. of the Internal Guide
Mrs. ASHWINI AV
Asst. Professor



Signature of the HOD
Dr. Rekha S N
Professor & H.O.D

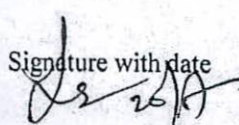

Signature of the Principal
Dr. H. Ramakrishna
Principal

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


20/7/23

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the project work entitled FIRE FIGHTING ROBOT USING ARDUINO is carried out by ADITHYA HAVALI bearing USN [1SG20EE001], DIVYASHREE A H bearing USN [1SG20EE007], GAGAM M N bearing USN [1SG20EE008], PRERANA SHARMA bearing USN [1SG20EE0024], 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 2022-23. 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

Mrs. PREETHA NP

Asst. Professor

Signature of the HOD

Dr. Rekha S N

Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna

Principal

External Viva

Name of the examiners

1. Dr. Shivabharathi

2. Dr. H. R. A. Revendran

Signature of the Principal

Signature with date

Signature with date

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

20/7/23

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

Department of Electrical & Electronics Engineering

CERTIFICATE



Certified that the project work entitled **WATER LEVITATION** is carried out by **CHETAN KUMAR G** bearing USN [1SG20EE004], **GAGAN S PATAGAR** bearing USN [1SG20EE009], **MADHUSUDAN V** bearing USN [1SG20EE017], **VINUTH KUMAR A** bearing USN [1SG20EE036], 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 **2022-23**. 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

Mrs. Malashree G

Asst. Professor

Signature of the HOD

Dr. Rekha S N

Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna

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

External Viva

Name of the examiners

1. Dr. S. Srinivas

2. Dr. H. Raghavendra

Signature with date

Dr. H. Ramakrishna

Principal

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

20/7/23

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

Certified that the mini project entitled "WEATHER MONITORING SYSTEM" is carried out by Keshava Reddy (1SG21EE403), Mahesh M (1SG21EE404), Sharon P(1SG21EE411) and Sudarshan B (1SG21EE412), 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 **2022-2023**. It is also 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 prescribed for the Bachelor of Engineering Degree.

Signature of the Internal Guide

Mr. Gopinath. K

Assistant Professor

Signature of the HOD

Dr. REKHA S N

Professor & H.O.D

Signature of the Principal

Dr. H. RAMAKRISHNA

Principal

External viva

Name of the examiners:

1. Dr. Shivakumar

2. Dr. H. Raghavendra

Signature with date

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 "LASER SECURITY ALARM SYSTEM" is carried out by ANANNYA R bearing USN [1SG20EE003], DARSHAN N G bearing USN [1SG21EE401], PRAJWAL S M bearing USN [1SG21EE409], YASHVANTH B R bearing USN [1SG21EE413], 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 2022-23. 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 Internal Guide

Mrs. Supriya Sajjan

Assistant Professor

Signature of the HOD

Dr. REKHA S N

Professor & H.O.D

Signature of the Principal

Dr. H. RAMAKRISHNA

Principal

External Viva

Name of the examiners

1 Dr. Shivalbeeru

2 Dr. G. Raghavendra

Signature with date

Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesarghatta Main Road
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Department of Electrical & Electronics Engineering




CERTIFICATE


Certified that the project work entitled "AUTOMATIC PLANT WATERING SYSTEM" is carried out by RAJESHWARI CH bearing USN [1SG20EE025], VISHWANATH GOWDA M V bearing USN [1SG20EE037], BHARATH B S bearing USN [1SG21EE400], 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 2022-23. 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

Mrs. RESHMA
Asst. Professor


Signature of the HOD

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


Signature of the Principal

Dr. H. Ramakrishna
Principal

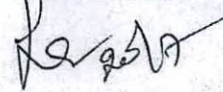
External Viva

Name of the examiners

1. Dr. Shrinivas

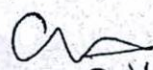
2. Dr. H. Raghavendra

Signature with date



Principal

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20/2/23