

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

III YEAR MINI-PROJECT BATCHES

SL.NO	USN	STUDENTS NAME	TITLE OF PROJECT
1.	1SG21EE051	PRATHAMA R	Smart Parking System
	1SG21EE075	TEJASHREE K	
	1SG22EE418	SURESH B M	
	1SG22EE419	VANITHA D S	
2.	1SG21EE061	SAHANA S JOSHI	Solar powered electric fence
	1SG21EE072	SUMAN KUMAR	
	5.884.385.0000555.000000000000000000000000000	CHOUDHARY	
	1SG22EE414	PRASAD GANESH UPPAR	
3.	1SG21EE005	APOORVA B	Solar Wireless Electric Vehicle Charging Scheme
	1SG21EE012	CHINMAY E GOWDA	
	1SG21EE005	YOGITHA	
	1SG22EE400	ANIL KUMAR T P	
4.	1SG21EE004	ANARGHYA J	SONAR: Marine Radar
	1SG21EE020	HARISH V	
	1SG21EE078	VARSHA C	
	1SG22EE401	ARAVIND V S	
5	1SG21EE056	RAKESH B S	Wireless EV Charging Using Solar Energy
	1SG21EE058	RAKESH P	
	1SG21EE059	ROSHAN JOGI A S	
	1SG21EE064	SHWETHA S	
6.	1SG21EE062	SANIYA SHEIKH	Hydro electricity generation
	1SG21EE065	SHRAVANI S	
	1SG21EE071	SUHAS H O	
	1SG21EE074	SUNITHA M	
7.	1SG21EE038	MANOJ M	Solar Based Automatic Staircase Lighting System
	1SG21EE043	N SUKRUTHA	
	1SG21EE068	SOWMYA S R	
	1SG22EE420	VINODH KUMAR	
8.	1SG21EE035	MADHUSHREE M N	Solar Based Inverter
	1SG21EE079	VARALAKSHMI B R	
	1SG22EE417	SHYAM SATHEESH	
9.	1SG21EE003	ANANYA C	Mini Solar Power System
	1SG21EE021	HARSHA K	
	1SG21EE033	LOHITH M B	
	1SG22EE411	NIKHIL ANANT ACHARI	
10.	1SG21EE008	BHEEMA REDDY B	Solar Charged Power Bank
	1SG21EE028	KUSHAL R GOWDA	
14 - 13	1SG22EE403	BISHWARUP	
		CHAKRABORTY	
	1SG22EE405	HITESH KUMAR S	
11	1SG21EE051	PRATHAMA R	Solar Tracking System

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

	1SG21EE064	SANJAY H S	
	1SG21EE073	SUMANTH N M	
	1SG22EE419	VANITHA D S	
12.	1SG21EE034	M AISHWARYA	Solar Based Automatic Agriculture Pump Controller
	1SG21EE080	VEDITHA D P	
	1SG22EE407	KRISHNA RAJ SHEKAR	
	1SG22EE410	NAGESH M S	
13.	1SG21EE040	MARUTHI S	Solar Powered Insect Detection System
	1SG21EE044	NARAPRAGNA H	
	1SG21EE054	PUNITH N	
14.	1SG21EE037	MANOJ GOWDA GV	Hybrid Power Generation Using Solar and Wind Energy
	1SG21EE046	NAVEEN KUMAR B C	
	1SG21EE048	NIKITHA P	
	1SG21EE076	THARUN R	
15.	1SG21EE047	NAYANA L	Solar Powered Automatic Irrigation
	1SG21EE075	TEJASHREE K	System
	1SG22EE415	RAKSHITH T C	Professional Control of the Control
	1SG22EE418	SURESH B M	
16.	1SG21EE010	CHANDAN V	Electricity Generation by Biogas
	1SG21EE026	KAVYA R	,
	1SG22EE402	BHOOMIKA H R	
	1SG22EE409	MOHAMMED SAMEER	
17.	1SG21EE007	BHARATH B	Automatic Smart Street Light Using
	1SG21EE009	BRUNDA K	IR Sensor
	1SG21EE031	LIKITHA H	
	1SG21EE084	VISHWANATH S	
18	1SG21EE036	MANOJ C N	Geothermal Energy Generator
	1SG21EE045	NANDINI N	
	1SG21EE049	NITHYA SHREE N	
	1SG21EE070	SUDEEP	,
19	1SG21EE060	ROSHNI KUMAR	Solar Powered Monitoring System
	1SG21EE067	SNEHA B	
	1SG22EE413	NIRANJAN M PHALKE	
	1SG22EE422	YOGESH GANAPATI	
		GOUDA	
20	1SG21EE042	MONIKA K V	Solar Grass Cutter
20	1SG21EE050	NUTHAN M	33.00 3.003 3.000
	1SG22EE412	NINGAPPA S	
	1SG22EE416	RANJITH KUMAR	
21	1SG21EE004	ANARGHYA J	Solar Pesticide Sprayer
	1SG21EE020	HARISH V	
	1SG21EE078	VARSHA C	
	1SG22EE401	ARAVIND V S	1
22	1SG21EE022	HEMASHREE G	Home Automation Using Solar

Principal
Septhagiri College of Engineeri: 3
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

	1SG21EE024	K C KUSHAL PRASAD	Energy
	1SG21EE029	KUSHAL S	
	1SG22EE404	DIVYA B C	
23	1SG21EE006	BHARAT RAJ	Fire Fighting Robot Using Solar
		CHANDRAKANTH	
		KALAMADI	
	1SG21EE027	KISHORE KUMAR S	
	1SG22EE406	JYOTHI G R	
	1SG22EE408	MEGHANA K	
24	1SG21EE001	ABHISHEK V	Solar Powered Automatic Trash Sorter Using Arduino UNO
	1SG21EE016	DHANUSH R	
	1SG21EE030	LALITH N	
	1SG21EE079	VATHSALA B K	
25	1SG21EE013	DEEKSHITH KUMAR S	Solar Powered Weather Station
	1SG21EE015	DHANALAKSHMI N C	
	1SG21EE025	KARTHIK H	
	1SG21EE087	YUKTHA D	
26	1SG21EE002	AISHWARYA S T	Wind Mill
	1SG21EE017	GAGAN B	
	1SG21EE081	VENKATESH GOWDA S	
	1SG21EE085	VIVEK P	

Principal Septhagiri College of Engineerin Chikkasandra, Hesaraghatta Bangalore-560 057



CERTIFICATE

Certified that the project work entitled "SMART PARKING SYSTEM" is carried out by PRATHAMA R bearing USN [1SG21EE051], TEJASHREE K bearing USN [1SG21EE075], SURESH B M bearing USN [1SG22EE418], VANITHA D S bearing USN [1SG22EE419], Bonafede 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. 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

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



CERTIFICATE

Certified that the project work entitled SOLAR POWERED ELECTRIC FENCE is carried out by SAHANA S. JOSHI bearing USN [1SG21EE061], SUMAN KUMAR CHOUDHARY bearing USN [1SG21EE072], PRASAD GANESH UPPAR bearing USN [1SG22EE414], VINUTHA C bearing USN [1SG22EE421], 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 guide

Dr. Vijaykumar Annaji Kulkarni

Associate Professor

Dept of EEE

Sign of the HOD

Dr. Rekha S N

Professor and HOD

Dept of EEE

Sign of the Principal

Dr. H Ramakrishana

Principal

External viva

1. Suprija Soyan 2. pr. Relahe sa

Sa Jation extska

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



CERTIFICATE

Certified that the project work entitled "Solar Wireless Electric Vehicle Charging System" is carried out by Apoorva B USN [1SG21EE005], Chinmay E Gowda USN [1SG21EE0012], Yogitha K C USN [1SG21EE086], Anil Kumar T P USN [18G21EE400], 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. Vijay Kumar Annaji Kulkarni

Professor

Signature of the HOD

Dr. Rekha S N

Professor & HOD

Signatur of the Principal

Dr. H. Ramakrishna

Principal

External Viva

Principal

Septhagiri College of Engineering Chikkasandra, Hesaraghatta Road Bangalore-560 55 nature with date

Name of the examiners

2. Dr. Rekhe s.w



CERTIFICATE

Certified that the project work entitled "SONAR: MARINE RADAR" is carried out by HARISH V bearing USN [1SG21EE020], ANARGHYA bearing USN [1SG21EE004], VARSHA C bearing USN [1SG21EE078], ARAVIND V S bearing USN [1SG22EE401], 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. 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

Principal
Septhagiri College of Engineering
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Bangalore-560-057

CERTIFICATE



Certified that the project work is WIRELESS EV CHARGING USING SOLAR ENERGY carried out RAKESH B S USN [1SG21EE056], RAKESH P USN [1SG21EE058], ROSHAN JOGI A S USN [1SG21EE059], SHWETHA S USN [1SG21EE064], 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.VIJYA KUMAR ANNAJI KULKARNI

Professor

Signature of the HOD

Dr. Rekha S N

Professor & H.O.D

Signature of the Principal

Principal

External Viva

Name of the examiners

1

2. Dr. Rekhe 5. W

Principal
Septhagiri College of Engineer Fignature with date
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

25/3/2M



CERTIFICATE

Certified that the mini project entitled "HYDRO ELECTRICITY GENERATION" is carried out by SANIYA SHEIKH (1SG21EE062), SHRAVANI S (1SG21EE065), SUHAS H O (1SG21EE071), SUNITHA M (1SG22EE074), bonafide student 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 2023-2024. 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

Dr. Vijay Kumar Annaji Kulkarni

professor

Signature of the HOD

Dr. Rekha S N

Professor & HOD

Signat the Principal

Dr. makrishna

Principal

External Viva

Principal Septhagiri College of Engineering

Chikkasandra, Hesaraghatta Road,

Bangalore-560 057

Andayon ealslex

NAME OF THE EXAMINERS

1. supriya Sayan 2. Dr. Rekhe s.N



CERTIFICATE

Certified that the project work entitled Solar Based Automatic Staircase Lighting System is carried out by MANOJ M bearing USN [1SG21EE038], N SUKRUTHA bearing USN [1SG21EE043], SOWMYA S R bearing USN [1SG21EE068], VINODH KUMAR bearing USN [1SG22EE420], 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.Vijaykumar Annaji Kulkarni B.E, M.E, Phd

Signature of the HOD Dr. Rekha S N

Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna

Principal

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

Name of the examiner

1. Supriya Sayan 2. Dr. Rekha IN



CERTIFICATE

Certified that the project work entitled <u>SOLAR BASED INVERTER</u> is carried out by MADHUSHREE MN bearing USN [1SG21EE035] VARALAKSHMI B R bearing USN [1SG21EE079], SHYAM SATHEESH bearing USN [1SG22EE417], 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.Vijaykumar Annaji Kulkarni

B.E,M.E,Phd

Signature of the HOD

Dr. Rekha S N

Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna

Principal

External Viva

Principal

Septhagiri College of Engine signature with date

Chikkasandra, Hesaraghatta R Bangalore-560 057

Q 22/3/24.

Name of the examiners

1. Supriya Sayan

2. Dr. Rekhe S.N



CERTIFICATE

Certified that the project work entitled MINI SOLAR POWER SYSTEM is carried out by ANANYA C bearing USN [1SG21EE003], HARSHA K bearing USN [1SG21EE021], LOHITH M B bearing USN [1SG21EE033],NIKHIL ANANT ACHARI bearing USN [1SG22EE411], 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 Guide

Dr. Vijaykumar Annaji kulkarni

Asso. Professor Dept of EEE Signature of the HOD

Dr. Rekha S N

Professor & H.O.D Dept of EEE Signature of the Principal

Dr. H. Ramakrishna

Principal

Principal
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External Viva

Name of the examiners

1. Supriya Sayan

2 Dr. Rekha S.N

Signature with date

Qu 3/2/2



CERTIFICATE

Certified that the project work entitled SOLAR CHARGED POWER BANK carried out by BHEEMA REDDY .B bearing USN [1SG21EE008], KUSHAL R GOWDA bearing CHAKRABORTY USN [1SG21EE028], **BISHWARUP** bearing [1SG22EE403], HITHESH KUMAR S bearing USN [1SG22EE405], 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. Vijay Annaji Kulkarani

Professor

Signature of the HOD

Dr. Rekha S N

Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna

Principal

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

Name of the examin

1. Supripa Sayon 2. Drs. Rekhe 5. N

Signature with date 22/3/2/29



CERTIFICATE

Certified that the project work entitledSOLAR TRACKING SYSTEMis carried out by PRATHAMA R [1SG21EE051], SANJAY HS[1SG21EE064], SUMANTH NM [1SG21EE072], VANITHA DS [1SG22EE419], 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

Signature of the HOD

Signature of the Principal

Dr.Vijay Kumar Annaji Kulkarni

Dr. Rekha S N

Dr. H. Ramakrishna Principal

AssociateProfessor

Professor & H.O.D

Principal External Niva giri College of Engineering Chikkasandra, Hesaraghatta Road, Bangalore-560 057

Name of the examiners _ 1. Sopriya Sallar

2. Dr. Rekhe SIN

Signature withdate

and ay an 22 /3/29



CERTIFICATE

Certified that the mini project work entitled "SOLAR BASED AUTOMATIC AGRICULTURE PUMP CONTROLLER" carried out by M AISHWARYA bearing USN [1SG21EE034], VEDITHA D P bearing USN [1SG21EE080], KRISHNA RAJ SHEKAR bearing USN [1SG22EE407], NAGESH M S bearing USN [1SG22EE410], 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. Vijay Kumar Annaji Kulkarni

Professor

Signature of the HOD

Dr. Rekha S N

Professor & HOD

Signature of the Principal

Dr. H. Ramakrishna

Principal

Externa

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

Randay anexistra

1. Supriya Say an 2. D. Rebbe S. J



CERTIFICATE

Certified that the project work entitled SOLAR POWERED INSECT DETECTION SYSTEM is carried out by MARUTHI S bearing USN [1SG21EE040], NAGAPRAGNA H bearing USN [1SG21EE044], PUNITH N bearing USN [1SG22EE054], 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 guide

Sign of the HOD

Dr. Vijaykumar Annaji Kulkarni

Dr. Rekha S N

Associate Professor

Professor and HOD

Dept of EEE

1.

Dept of EEE

External viva

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road.

Sign of the Principal

Dr. H Ramakrishana

Principal

2. Dr. Rekha S.N

Bangalore-560 057

25/3/24.



CERTIFICATE

Certified that the project work entitled HYBRID POWER GENERATION USING SOLAR AN WIND ENERGY is carried out by MANOJ GOWDA G V bearing USN [1SG21EE037], NAVEEN KUMAR B C bearing USN [1SG21EE046],NIKITHA P bearing USN [1SG21EE048], THARUN R bearing USN [1SG21EE076], Bonafede 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 Guide

Dr. Vijaykumar Annaji Kulkarni

Associate Professor

Dept of EEE

Sign of The HOD

Dr. Rekha S N

Professor & HOD

Dept of EEE

Sign of The Principal

H. Ramakrishna

Principal.

Name of the examiners

1

2. Dr. Rekha S.N

External viva Principal
Septinagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-58 2004 ure with date

0-25/3/27



CERTIFICATE

Certified that the project work entitled SOLAR POWERED AUTOMATIC IRRIGATION SYSTEM is carried out by NAYANA. L bearing USN [1SG21EE047], TEJASHREE. K bearing USN [1SG21EE075], RAKSHITH.T C bearing USN [1SG22EE415], SURESH .B M bearing USN [1SG22EE418], 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. Vijaykumar annaji Kulkarni

Professor

Signature of the HOD

Dr. Rekha S N

Signature of the Principal

Dr. H. Ramakrishna

Professor & H.O.D

Principal

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

External Viva

Name of the examiners

1.

Signature with date

2. Pr. Rekhasir



CERTIFICATE

Certified that the project work entitled ELECTRICITY GENERETION BY BIOGAS is carried out by CHANDAN V bearing USN [1SG21EE010], KAVYA R bearing USN [1SG21EE026], BHOOMIKA H R bearing USN [1SG22EE402], MOHAMMED SAMEER bearing USN [1SG22EE426], 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 guide

Sign of the HOD

Dr. Vijaykumar Annaji Kulkarni

Dr. Rekha S N

Associate Professor

Professor and HOD

Dept of EEE

Dept of EEE

1.

External viva

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

Sigh of the Principal

Dr. H Ramakrishana

Principal

2. Dr. Relehe s.N

Pa 13124.



CERTIFICATE

Certified that the mini project entitled "AUTOMATIC SMART STREET LIGHT USING IR SENSOR" is carried out by BHARATH B [1SG21EE036], BRUNDA K [1SG21EE009], LIKHITHA H [1SG21EE031], VISHWANATH S [1SG21EE082], bonafide student 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 2023-2024. 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
Dr.VIJAY KUMAR ANNAJI KULKARNI

Professor

Signature of the HOD Dr. Rekha S N

Professor & HOD

Signature of the Principal Dr. H. Ramakrishna

Principal

External Viva

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
BangaSignature with date

Name of the examiners

1.

2. Dr. Rekha s.N

3 113 km



CERTIFICATE

Certified that the project work entitled "Geothermal Energy Generator" is carried out by MANOJ C N USN [1SG21EE036], NANDINI N USN [1SG21EE045], NITHYA SHREE NUSN [1SG21EE049], SUDEEPUSN [1SG21EE070], 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. Vijay Kumar Annaji Kulkarni

Professor

Signature of the HOD

Dr. Rekha S N

Professor & HOD

Signature of the Principal

Dr. H. Ramakrishna

Principal

External Viva

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

Signature withdate

Name oftheexaminers

1.

2. Dr. Rekhe s.r

Put 3/3/24



(Affiliated to VTU, Belagavi and Recognized by AICTE, New Delhi)
(An ISO 9001:2015 and 14001:2015 certified Institution)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bangalore – 560057.

Accredited by NAAC with "A" GRADE

DEPARTMENT OFELECTRICAL AND ELECTRONICS ENGINEERING (Accredited by NBA)

CERTIFICATE

Certified that the project work entitledSOLAR POWER MONITORING SYSTEM is carried out by ROSHNI N KUMAR bearing USN [1SG21EE060], SNEHA B bearing USN [1SG21EE067], NIRANJAN M PHALKE bearing USN [1SG22EE413], and YOGESH G GOUDA bearing USN [1SG22EE422], 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 the examiners

Signature of the HOD

Signature of the Principal

Dr. H Ramakrishna

Dr. Vijaykumar AnnajiKulkarniDr. Rekha S N

AssociateProfessor, Dept of EEE Professor & H.O.D, Dept. of EEE

Principal
Sapthagiri College of Engineering
Signature with date, Hesaraghatta Road,
Bangalore-560 057

1.

2. Dr. Rekhe SN

External Viva-Voce Examination:

Puls 13/24



CERTIFICATE

Certified that the project work entitled <u>SOLAR GRASS CUTTER or</u> is carried out by MONIKA K V bearing USN [1SG21EE042], NUTHAN M bearing USN [1SG21EE050], NINGAPPA S bearing USN [1SG22EE412], RANJITH KUMAR K bearing USN [1SG22EE416], 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. Rekha S N

. Professor & HOD

Signature of the HOD

Dr. Rekha S N

Professor & H.O. D

Signature of the Principal

Dr. H. Ramakrishna

Principal

External Viva

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

Name of the examiners

1.

2. Dr. Rekha s.w

Signature with date

D-23/3/24.



CERTIFICATE

Certified that the project work entitled "SOLAR PESTCIDE SPARYER" is carried out by HARISH V bearing USN [1SG21EE020], ANARGHYA J bearing USN [1SG21EE004], VARSHA C bearing USN [1SG21EE078], ARAVIND V S bearing USN [1SG22EE401], 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.Vijaykumar Annaji Kulkarni

Professor

Signature of the HOD

Dr. Rekha S N

Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna

Principal

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

External Viva

Name of the examiners

1.

Signature with date

2. Dr. Rekla S.N

Bu 13/25



CERTIFICATE

Certified that the mini project entitled "HOME AUTOMATION USING SOLAR ENERGY" is carried out by HEMASHREE G (1SG21EE022), K C KUSHAL PRASAD (1SG21EE024), KUSHAL S (1SG21EE029), DIVYA B C (1SG22EE404), bonafide student 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 2023-2024. 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 Dr. Vijay Kumar Annaji Kulkarni

Professor

1.

Signature of the HOD Dr. Rekha S N Professor & HOD Signatur Dr. the Principal Dr. H. Ramakrishna Principal

NAME OF THE EXAMINERS

External Viya

SIGNATURE WITH DATE

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

2. Dr. Rekha s.N

2,13124



CERTIFICATE

Certified that the mini project entitled "FIRE FIGHTING ROBOT USING SOLOR" is carried out by BHARAT RAJ CHANDRAKANT KALAMADI(1SG21EE006),

KISHORE KUMAR S(1SG21EE027), JYOTHI G R (1SG22EE406), MEGHANA K (1SG22EE408), bonafide student 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 2023-2024. 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 Dr. Vijay Kumar Annaji Kulkarni

Professor

Signature of the HOD Dr. Rekha S N

Professor & HOD

External Viva

Signature of the Principal

Dr. H. Ramakrishna

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

Signature with date

Name of the examiners

1.

2. Dr. Rakhe S.D

a 13124.



CERTIFICATE

Certified that the project work entitled "SOLAR POWERED AUTOMATIC TRASH SORTER USING ARDUINO UNO" is carried out by ABHISHEK V bearing USN [1SG21EE001], DHANUSH R bearing USN [1SG21EE016], LALITH N bearing USN [1SG21EE030], VATHSALA B K bearing USN [1SG21EE078], 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. Vijaykumar Annaji Kulkarni

Professor

Signature of the HOD

Signature of the Principal

Dr. Rekha S N

Professor & H.O.D

Dr. H. Ramakrishna

Principal

External Viva

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

Signature with date

Name of the examiners

1.

2. Dr. Rekhe S.N

Or 21/3/2m.



CERTIFICATE

Certified that the project work entitled "SOLAR POWERED WEATHER STATION" is carried out by DEEKSHITH KUMAR S USN [1SG21EE013], DHANALAKSHMI N C USN [1SG21EE0015], KARTHIK H USN [1SG21EE025], YUKTHA D USN [1SG21EE087], 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. Vijay Kumar Annaji Kulkarni

Professor

Signature of the HOD

Dr. Rekha S N

Professor & HOD

Signature of the Principal

Dr. H. Ramakrishna

Principal

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

External Viva

Name of the examiners

1.

2. Dr. Rekha J.N

Signature with date

D-21/3124



CERTIFICATE

Certified that the project work entitled WIND MLL is carried out by AISHWARYA S T bearing USN [1SG21EE002], GAGANA B bearing USN [1SG21EE017], VENKATESH GOWDA S bearing USN [1SG21EE081], VIVEK P bearing USN [1SG21EE085], Bonafede 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 Guide

Dr. Vijaykumar Annaji Kulkarni

Associate Professor

Dept of EEE

Sign of the HOD

Dr. Rekha S N

Professor & H.O.D

Dept of EEE

Sign of the Principal

Dr. H. Ramakrishna

Principal

External viv

Name of the examiners

1.

2. Dr. Rekhes.n

Signature with date

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

21/3/27