



SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST ®
SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

(Accredited by NAAC with "A" GRADE)

(ISO 9001:2015 and 14001:2015 Certified)

Department of Electrical and Electronics Engineering

PROJECT BATCH LIST 2020-21

SECTION:A

YEAR:IV

| Sl.No | Name of the Students | USN | Title of the project | Name of the Guide |
|-------|----------------------|------------|--|----------------------|
| 1 | MANDARA CK | 1SG17EE040 | EXPERIMENTAL STUDY OF | Mrs. Ashwini A V |
| 2 | ARCHITHA N BHAT | 1SG17EE010 | AGEING OF POLYMERIC | |
| 3 | MEGHANA B | 1SG17EE042 | INSULATOR BY INCLINED PLANE | |
| 4 | KAVYASHREE G | 1SG17EE031 | TEST | |
| 5 | AISHWARYA GUPTA | 1SG17EE001 | ARTIFIAL EYE FOR BLIND | Dr. K N Ravi |
| 6 | AKSHATA SHENOY K | 1SG17EE005 | | |
| 7 | BHOOMIKA M.C | 1SG17EE011 | | |
| 8 | CHAITANYA D.R | 1SG17EE014 | | |
| 9 | MAHADEV M | 1SG17EE038 | SMART CART SYSTEM | Mr. Murali Krishna K |
| 10 | MANJEET KUMAR | 1SG17EE041 | | |
| 11 | DASHARATH R | 1SG17EE020 | | |
| 12 | AJAY S PAI | 1SG17EE002 | | |
| 13 | AKSHATA ASKI | 1SG17EE004 | COVID-19 - AUTHORIZED ENTRY USING FACE MASK DETECTION AND SANITIZER DISPENSER | Mrs. Ramya M |
| 14 | ARASU KUMARI M S | 1SG17EE008 | | |
| 15 | KIRANKUMAR | 1SG16EE045 | | |
| 16 | MOHAN RAJ | 1SG17EE044 | | |
| 17 | ANU H N | 1SG17EE007 | POWER GENERATION USING PIEZOELECTRIC CELL | Mrs. Swetha G |
| 18 | CHAITHRA N | 1SG17EE015 | | |
| 19 | CHANDANA N | 1SG17EE018 | | |
| 20 | NAGASHREE T | 1SG17EE046 | | |
| 21 | BYRESH H | 1SG17EE013 | WSN BASED DATA ACQUISITION SYSTEM FOR MULTIPLE FAULTS MONITORING & CONTROLLING SYSTEM | Dr. Raghavendra G |
| 22 | GURUPRASAD G | 1SG17EE024 | | |
| 23 | HARISH T | 1SG17EE025 | | |
| 24 | JNANAMURTHY R | 1SG17ER029 | | |
| 25 | MANASA. R | 1SG17EE039 | MODELING AND SIMULATION OF DC SERIES MOTOR IN ELECTRIC CAR | Mrs. Preetha N P |
| 26 | KOUSALYA D | 1SG17EE033 | | |
| 27 | MANOJ. C | 1SG18EE406 | | |
| 28 | KUSHAL. D | 1SG17EE035 | | |
| 29 | LIKITHA N | 1SG17EE036 | EARTHQUAKE RESCUE OPERATION USING ROBOT | Mr. Shivaraj A |
| 30 | JENNIFER C | 1SG17EE028 | | |
| 31 | NAVEEN GB | 1SG18EE408 | | |
| 32 | AKASH GALI | 1SG17EE003 | | |
| 33 | AKSHATHA B KULKARNI | 1SG17EE006 | ULTRA-VIOLET STERILIZATION ROBOT FOR DISINFECTANT | Mrs. Rekha S N |
| 34 | ARCHANA D | 1SG17EE009 | | |
| 35 | DIVYALAKSHMI P | 1SG17EE023 | | |
| 36 | KRITHI BIDDAPPA K | 1SG17EE034 | | |
| 37 | CHANDAN R | 1SG17EE017 | CNC PCB MILLING MACHINE | Dr. Narayanappa |
| 38 | CHETHAN R | 1SG17EE019 | | |
| 39 | LOKESH RAJU R | 1SG18EE404 | | |
| 40 | MANOJ R | 1SG18EE407 | | |
| 41 | CHANDAN KUMAR R | 1SG17EE016 | ADVANCED BATTERY ENERGY STORAGE SYSTEM FOR GRID APPLICATIONS | Mr. A Dhamodaran |
| 42 | DILIP R | 1SG17EE022 | | |
| 43 | AAKASH N M | 1SG16EE002 | | |
| 44 | JASHWANTH | 1SG17EE027 | | |



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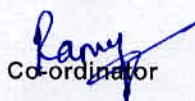
Department of Electrical and Electronics Engineering

PROJECT BATCH LIST 2020-21

SECTION:A

YEAR:IV

| Sl.No | Name of the Students | USN | Title of the project | Name of the Guide |
|-------|----------------------|------------|---|-------------------|
| 45 | MEGHANA R | 1SG17EE043 | EXAM PAPER LEAKAGE DETECTION BY USING RFID | Mrs. Jhansi K |
| 46 | BINDUSHREE S | 1SG17EE012 | | |
| 47 | MONISHA C | 1SG17EE045 | | |
| 48 | HARISH REDDY | 1SG18EE400 | | |


Co-ordinator


HOD,EEE

PROF & HOD

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



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Department of Electrical and Electronics Engineering

PROJECT BATCH LIST 2020-21

SECTION:B

YEAR:IV

| Sl.No | Name of the Students | USN | Title of the project | Name of the Guide |
|-------|----------------------|------------|--|----------------------|
| 1 | SHANTNU YADAV | 1SG17EE071 | REAL TIME BRIDGE MONITORING USING WIRELESS TECHNOLOGY | Dr. K N Ravi |
| 2 | THILAK BT | 1SG17EE082 | | |
| 3 | VARSHA KUMARI | 1SG17EE084 | | |
| 4 | YASHASWINI S | 1SG17EE092 | | |
| 5 | NIRANJAN B A | 1SG17EE051 | SELF DRIVING GARBAGE VEHICLE | Dr. Narayanappa |
| 6 | VISHRUTH B R | 1SG17EE089 | | |
| 7 | VISHWAS SHABADI | 1SG17EE090 | | |
| 8 | WASEEM PASHA M | 1SG17EE091 | | |
| 9 | POORVIKA R | 1SG17EE055 | DOOR TO DOOR COVID-19 CHECKS | Dr. Raghavendra G |
| 10 | SINCHANA R | 1SG17EE075 | | |
| 11 | POOJA K | 1SG17EE054 | | |
| 12 | VIDYA INAMDAR | 1SG17EE085 | | |
| 13 | PRAJWAL S | 1SG17EE056 | IOT BASED SINGLE PHASE PWM INVERTER FOR SPEED CONTROL OF INDUCTION MOTOR | Mrs. Divya N S |
| 14 | PRASHANTH YL | 1SG17EE057 | | |
| 15 | SHIVARAJ NP | 1SG17EE073 | | |
| 16 | RAMYA PVS | 1SG17EE065 | | |
| 17 | RANJITHA BR | 1SG17EE066 | DEEP NEURAL NETWORK BASED RECOGNITION OF PLANT DISEASE BY LEAF IMAGE CLASSIFICATION | Mr. A Dhamodaran |
| 18 | NISHITHA R | 1SG17EE052 | | |
| 19 | RAGHUVEER BJ | 1SG17EE061 | | |
| 20 | PREKSHA S | 1SG17EE058 | | |
| 21 | RAKSHITHA GM | 1SG17EE063 | FISHERMEN BORDER ALERT SYSTEM USING MICROCONTROLLER | Mrs. Jhansi K |
| 22 | SWATHI C | 1SG17EE079 | | |
| 23 | TEJU MK | 1SG17EE080 | | |
| 24 | RAKSHITH S | 1SG17EE062 | | |
| 25 | SUBRAMANYA M V | 1SG17EE078 | WIRELESS POWER TRANSMISSION | Mrs. Ramya M |
| 26 | PRUTHVI S | 1SG17EE059 | | |
| 27 | VINODA M O | 1SG17EE088 | PHOTOVOLTAIC POWER INTERLEAVED DC TO DC CONVERTER WITH SINGLE PHASE INVERTER FOR HOME APPLIANCES | Mr. Mahavishnu K B P |
| 28 | SAHANA G R | 1SG17EE068 | | |
| 29 | THANUJA N | 1SG17EE081 | | |
| 30 | VIJAYLAKSHMI G | 1SG17EE086 | | |
| 31 | NINADA A ASHOK | 1SG17EE050 | FIRE FIGHTING DRONE | Mrs. Swetha G |
| 32 | SRINIVASA R | 1SG17EE077 | | |
| 33 | NIKILESH N | 1SG18EE410 | | |
| 34 | NAVEEN KUMAR HS | 1SG18EE409 | | |
| 35 | SUDEEP R | 1SG18EE417 | SELF CHARGING ELECTRIC VEHICLE | Mrs. Rekha S N |
| 36 | YOGESH S | 1SG18EE418 | | |
| 37 | SIDDHAIY D C | 1SG18EE416 | | |
| 38 | NEHA S | 1SG17EE048 | ANY TIME MEDICINE USING VENDING MACHINE | Mr. Yousuf Madar |
| 39 | NEHA T R | 1SG17EE049 | | |
| 40 | SHILPA S | 1SG17EE072 | | |
| 41 | VIKAS L | 1SG17EE087 | | |
| 42 | R LOKESH | 1SG17EE060 | S.T.A.T.S (SELF TARGETING AUTONOMOUS/ SEMI-AUTONOMOUS TURRET SYSTEM) | Mr. Bharat B N |
| 43 | YESWANTH S | 1SG17EE093 | | |



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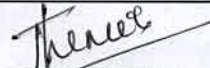
Department of Electrical and Electronics Engineering

PROJECT BATCH LIST 2020-21

SECTION:B

YEAR:IV

| Sl.No | Name of the Students | USN | Title of the project | Name of the Guide |
|-------|----------------------|------------|-----------------------------|--------------------|
| 44 | UDAY J | 1SG17EE083 | | |
| 45 | RAKSHITHA M | 1SG17EE064 | UNDERGROUND CABLE FAULT | Mrs. Harshitha M R |
| 46 | SPOORTHY D K | 1SG17EE076 | DISTANCE DETECTION SYSTEM | |
| 47 | SHANI PRADEEP | 1SG17EE070 | USING IOT | |
| 48 | NITIN K PUJAR | 1SG18EE053 | SMART VOICE ASSISTANT USING | Dr. K N Ravi |
| 49 | NANDU P R | 1SG17EE047 | ARTIFICIAL INTELLIGENCE | |


Co-ordinator


HOD,EEE

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

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled “EXPERIMENTAL STUDY OF AGEING OF POLYMERIC INSULATOR BY INCLINED PLANE TEST” is carried out by MANDARA C K bearing USN [1SG17EE040], ARCHITHA N BHAT bearing USN [1SG17EE010], MEGHANA B bearing USN [1SG17EE042], KAVYASHREE G bearing USN [1SG17EE031], 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 2020-2021. 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

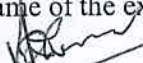

Dr. Narayanappa
Professor & H.O.D

Signature of the Principal

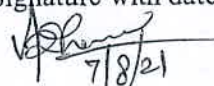
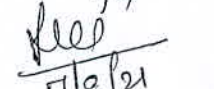
Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1.  (A. Dhamodaran)
2.  (C. Swetha)

Signature with date

 7/8/21
 7/12/21


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

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING
2020-2021



CERTIFICATE

Certified that the project work entitled “ARTIFIAL EYE FOR BLIND” is carried out by AISHWARYA GUPTA bearing USN [1SG17EE001], AKSHATA SHENOY K bearing USN [1SG17EE005], BHOOMIKA M.C bearing USN [1SG17EE011] CHAITANYA D.R bearing USN [1SG17EE014], 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 2020-2021. 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. K N Ravi
Professor

Signature of the HOD

Dr. Narayanappa
Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. A. Dhanudaram
2. Swetha G

Signature with date

7/8/21

Principal

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

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2020-2021



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Sign. of the Internal Guide

Mr. MuralikrishnaK
Assistant Professor


Signature of the HOD

Dr. Narayanappa
Professor & H.O.D

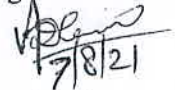
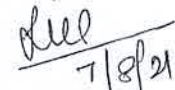

Signature of the Principal
Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. A. Dharmodaran
2. Swetha. G

Signature with date


7/8/21

7/8/21


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

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled “ COVID-19 AUTHORIZED ENTRY USING FACE MASK DETECTION AND SANITIZER DISPENSER” is carried out by AKSHATA ASKI bearing USN [1SG17EE004], ARASU KUMARI M S bearing USN [1SG17EE008], KIRAN KUMAR bearing USN [1SG16EE045], MOHAN RAJ D bearing USN [1SG17EE044], 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 **2020-2021**. 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

Assistant Professor

Signature of the HOD

Dr. Narayanappa

Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna

Principal

External Viva

Name of the examiners

1. A. Dhanodaran

2. Swetha. G

Principal

Sapthagiri College of Engineering
14/5, Chikkaandra, Heeraghatta Main Road
Bengaluru - 560 057

Signature with date

7/8/21

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled “POWER GENERATION USING PIEZOELECTRIC CELL ” is carried out by ANU H N bearing USN [1SG17EE007], CHAITHRA N bearing USN [1SG17EE015], CHANDANA N bearing USN [1SG17EE018], NAGASHREE T bearing USN [1SG17EE046], 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 2020-2021. 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. Swetha G
Asst. Professor

Signature of the HOD

Dr. Narayanappa
Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. A. Dharmadharan
2. Swetha G

Principal

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

Signature with date

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled “WSN BASED DATA ACQUISITION SYSTEM FOR MULTIPLE FAULTS MONITORING & CONTROLLING SYSTEM ” is carried out by BYRESH H bearing USN [1SG17EE013], GURUPRASAD G bearing USN [1SG17EE024], HARISH T bearing USN [1SG17EE025], JNANAMURTHY R bearing USN [1SG17EE029], 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 **2020-2021**. 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. Narayanappa
Professor & H.O.D

Signature of the Principal

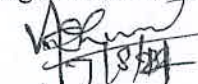
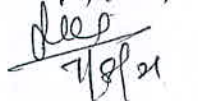
Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. A. Dharmadaran
2. Swetha. G

Signature with date


17/8/21

17/8/21



Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hosaraghatta Main Road
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2020-2021




CERTIFICATE

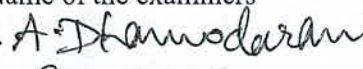

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Sign. of the Internal Guide
Mrs. Preetha NP
Assistant Professor


Signature of the HOD
Dr. Narayanappa
Professor & H.O.D


Signature of the Principal
Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners
1. 
2. 

Signature with date

7/8/21

7/8/21


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

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2020-2021



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Sign. of the Internal Guide

Mr. Shivaraj A
Assistant Professor

Signature of the HOD

Dr. Narayanappa
Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. A. Dhanodaran
2. Swetha G

Signature with date

Principal

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SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled “ULTRA-VIOLET STERILIZATION ROBOT FOR DISINFECTANT” is carried out by AKSHATHA B KULKARNI bearing USN [1SG17EE006], ARCHANA D bearing USN [1SG17EE009], DIVYALAKSHMI P bearing USN [1SG17EE023], KRITHI BIDDAPPA K bearing USN [1SG17EE034], 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 2020-2021. 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. Rekha SN
Associate Professor


Signature of the HOD

Dr. Narayanappa
Professor & H.O.D


Signature of the Principal

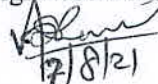
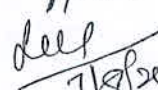
Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. A. Dharmodasan
2. Swetha G

Signature with date


7/8/21

7/8/21



Principal
Sapthagiri College of Engineering
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2020-2021



CERTIFICATE

Certified that the project work entitled "CNC PCB MILLING MACHINE" is carried out by CHANDAN R bearing USN [1SG17EE017], CHETHAN R bearing USN [1SG17EE019], LOKESH RAJU R bearing USN [1SG18EE404], MANOJ R bearing USN [1SG18EE407], 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 **2020-2021**. 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. Narayanappa
Professor & H.O.D

Signature of the HOD

Dr. Narayanappa
Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. DR. G. RAHHA VENDRA
2. Mrs. RAMYAM

Signature with date

9/8/2021

9/8/2021

Principal

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

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SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled “ADVANCED BATTERY ENERGY STORAGE SYSTEM FOR GRID APPLICATIONS” is carried out by CHANDAN KUMAR R bearing USN [1SG17EE016], DILIP R bearing USN [1SG17EE022], AAKASH N M bearing USN [1SG16EE002], JASHWANTH bearing USN [1SG17EE027], 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 2020-2021. 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

Mr. Dhamodaran A
Assistant Professor


Signature of the HOD

Dr. Narayanappa
Professor & H.O.D


Signature of the Principal


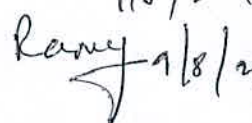
Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. Dr. G. RAHITHAVENDRA
2. Mrs. RAMYA M

Signature with date


9/8/2021

9/8/21



Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesarghatta Main Road
Bengaluru - 560087

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled "EXAM PAPER LEAKAGE DETECTION BY USING RFID" is carried out by MEGHANA R bearing USN [1SG17EE043], BINDUSHREE S bearing USN [1SG17EE012], MONISHA C bearing USN [1SG17EE045], HARISH REDDY bearing USN [1SG18EE400], 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 2020-2021. 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. Jhansi K
Assistant Professor

Signature of the HOD

Dr. Narayanappa
Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. Dr. H. RAGHAVAENDRA

2. Mrs. Ramya M

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

2020-2021



CERTIFICATE

Certified that the project work entitled "REAL TIME BRIDGE MONITORING USING WIRELESS TECHNOLOGY" is carried out by SHANTNU YADAV bearing USN [1SG17EE081], THILAK BT bearing USN [1SG17EE082], VARSHA KUMARI bearing USN [1SG17EE084], YASHASWINI S bearing USN [1SG17EE092], 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 2020-2021. 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. K N Ravi
Professor

Signature of the HOD

Dr. Narayanappa
Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. Dr. H. RAHMAVENDRA
2. Mrs. Ramya M

Signature with date

9/8/2021

9/8/21


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

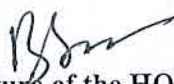
Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING
2020-2021




CERTIFICATE

Certified that the project work entitled “SELF DRIVING GARBAGE VEHICLE” is carried out by NIRANJAN B A bearing USN [1SG17EE051], VISHRUTH B R bearing USN [1SG17EE089], VISHWAS SHABADI bearing USN [1SG17EE090], WASEEM PASHA M bearing USN [1SG17EE091], 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 **2020-2021**. 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.


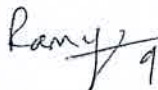

Sign. of the Internal Guide
Dr. Narayanappa
Professor & H.O.D


Signature of the HOD
Dr. Narayanappa
Professor & H.O.D


Signature of the Principal
Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners
1. DR. G. RAHHA VENDRA
2. MRS. RAMYA M

Signature with date
 9/8/21
 9/8/21


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

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled “DOOR TO DOOR COVID-19 CHECKS” is carried out by **POOJA K** bearing USN [1SG17EE054], **POORVIKA R** bearing USN [1SG17EE055], **SINCHANA R** bearing USN [1SG17EE075], **VIDYA INAMDAR** bearing USN [1SG17EE085] 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 **2020-2021**. 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
Assistant Professor


Signature of the HOD

Dr. Narayanappa
Professor & H.O.D


Signature of the Principal

Dr. H. Ramakrishna
Principal



External Viva

Name of the examiners

1. **Dr. R. Raghavendra**

2. **Mrs. Ramya M**

Signature with date

 9/8/21
 9/8/21


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesarechotha Main Road
Bengaluru

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled "IOT BASED SINGLE PHASE PWM INVERTER FOR SPEED CONTROL OF INDUCTION MOTOR" is carried out by PRAJWAL S bearing USN [1SG17EE056], PRASHANTH Y L bearing USN [1SG17EE057], SHIVARAJ N P bearing USN [1SG17EE073], 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 2020-2021. 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. Divya N S

Assistant Professor

Signature of the HOD

Dr. Narayanappa

Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna

Principal

External Viva

Name of the examiners

1. Dr. H. RAMADEVENDRA

2. Mrs. RAMYA M

Principal

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Bengaluru - 560 057

Signature with date

9/8/2021
Ramya


Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

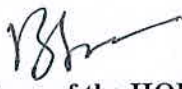
2020-2021




CERTIFICATE

Certified that the project work entitled “DEEP NEURAL NETWORK BASED RECOGNITION OF PLANT DISEASE BY LEAF IMAGE CLASSIFICATION” is carried out by NISHITHA R bearing USN [1SG17EE052], RAGHUVeer B J bearing USN [1SG17EE061], RAMYA P V bearing USN [1SG17EE065], RANJITHA B R bearing USN [1SG17EE066], 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 2020-2021. 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
Mr. A Dhamodaran
Assistant Professor


Signature of the HOD
Dr. Narayanappa
Professor & H.O.D


Signature of the Principal
Dr. H. Ramakrishna
Principal

External Viva

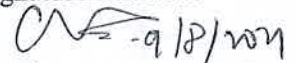
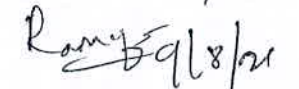
Name of the examiners

1. Dr. H. RAGHAVENDRA
2. Mr. A. RAMYA M



Principal
Sapthagiri College of Engineering
14/5, Chikkaasandra, Hosuraghatta Main Road
Bengaluru - 560 057

Signature with date

 - 9/8/21


Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled “FISHERMEN BORDER ALERT SYSTEM USING MICROCONTROLLER” is carried out by PREKSHA S bearing USN [1SG17EE058], RAKSHITHA G M bearing USN [1SG17EE063], SWATHI C bearing USN [1SG17EE079], TEJU M K bearing USN [1SG17EE080], 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 2020-2021. 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. Jhansi K

Assistant Professor

Signature of the HOD

Dr. Narayanappa

Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna

Principal

External Viva

Name of the examiners

1. DR. HIRAHAVENDRA

2. MRS. RAMYA M

Signature with date

Principal

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

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled “WIRELESS POWER TRANSMISSION” is carried out by PRUTHVI S bearing USN [1SG17EE059], RAKSHITH S bearing USN [1SG17EE062], SUBRAMANYA M V bearing USN [1SG17EE078], 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 2020-2021. 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
Assistant Professor

Signature of the HOD

Dr. Narayanappa
Professor & H.O.D

Signature of the Principal


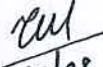
Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. Ashwini. C
2. Yousuf Madar. R

Signature with date


10/8

10/08


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hasaraghatta Main Road
Bengaluru - 560017

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled "PHOTOVOLTAIC POWER INTERLLEAVED DC TO DC CONVERTER WITH SINGLE PHASE INVERTER FOR HOME APPLAINCES " is carried out by SAHANA G R bearing USN [1SG17EE068], THANUJA N bearing USN [1SG17EE081], VIJAYLAKSHMI G bearing USN [1SG17EE086], VINODA M O bearing USN [1SG17EE088] 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 2020-2021. 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

Mr. Mahavishnu K B P

Assistant Professor

Signature of the HOD

Dr. Narayanappa

Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna

Principal

External Viva

Name of the examiners

1. Ashwini C
2. Yousef Mader R

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

Signature with date

10/8/21

10/08

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled “FIRE FIGHTING DRONE” is carried out by NINADA A ASHOK bearing USN [1SG17EE050], SRINIVASA R bearing USN [1SG17EE077], NAVEEN KUMAR HS bearing USN [1SG18EE409], NIKILESH N bearing USN [1SG18EE410] 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 **2020-2021**. 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. Swetha G

Assistant Professor

Signature of the HOD

Dr. Narayanappa

Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna

Principal

External Viva

Name of the examiners

1. Ashwini C

2. Yusuf Mader R

Principal

Sapthagiri College of Engineering

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

Signature with date

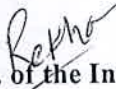
Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

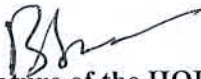
2020-2021




CERTIFICATE

Certified that the project work entitled “SELF CHARGING ELECTRIC VEHICLE” is carried out by **SIDDAIAIAY D C** bearing USN [1SG18EE416], **SUDEEP R** bearing USN [1SG18EE417], **YOGESH S** bearing USN [1SG18EE418] 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 **2020-2021**. 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. Rekha S N
Associate Professor


Signature of the HOD
Dr. Narayanappa
Professor & H.O.D


Signature of the Principal
Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners
1. **Ashwini. C**
2. **Yousuf Madar. P**

Signature with date


10/8/21
10/08


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

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled "ANY TIME MEDICINE USING VENDING MACHINE" is carried out by NEHA S bearing USN [1SG17EE048], NEHA T R bearing USN [1SG17EE049], SHILPA S bearing USN [1SG17EE072] 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 2020-2021. 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

Mr. Yousuf Madar
Assistant Professor

Signature of the HOD

Dr. Narayanappa
Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. Ashwini. C
2. Yousuf Madar. P

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

2020-2021



CERTIFICATE

Certified that the project work entitled "S.T.A.T.S (SELF TARGETING AUTONOMOUS/ SEMI-AUTONOMOUS TURRET SYSTEM)" is carried out by R LOKESH bearing USN [1SG17EE060], UDAY J bearing USN [1SG17EE083], VIKAS L bearing USN [1SG17EE087], YESWANTH S bearing USN [1SG17EE093], 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 2020-2021. 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

Mr. Bharath B N
Assistant Professor


Signature of the HOD

Dr. Narayanappa
Professor & H.O.D


Signature of the Principal

Dr. H. Ramakrishna
Principal

External Viva

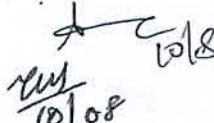
Name of the examiners

1. Ashwini C
2. Yousuf Madar R


Principal

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

Signature with date


10/8

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled “UNDERGROUND CABLE FAULT DISTANCE DETECTION SYSTEM USING IOT” is carried out by RAKSHITHA M bearing USN [1SG17EE064], SHANI PRADEEP bearing USN [1SG17EE070], SPOORTHY D K bearing USN [1SG17EE076] 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 2020-2021. 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. Harshitha M R
Assistant Professor

Signature of the HOD

Dr. Narayanappa
Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. Ashwini. C
2. Yousuf Mader. R

Principal

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

Signature with date

Department of Electrical & Electronics Engineering
SAPTHAGIRI COLLEGE OF ENGINEERING

2020-2021



CERTIFICATE

Certified that the project work entitled "SMART VOICE ASSISTANT USING ARTIFICIAL INTELLIGENCE" is carried out by NITIN K PUJAR bearing USN [1SG17EE053], NANDU P R bearing USN [1SG17EE047] 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 2020-2021. 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. K N Ravi
Professor

Signature of the HOD

Dr. Narayanappa
Professor & H.O.D

Signature of the Principal

Dr. H. Ramakrishna
Principal

External Viva

Name of the examiners

1. Ashwini, C
2. Yousuf Madar-R

Signature with date

10/8/21

10/8

Principal
Sapthagiri College of Engineering
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