Dept. of Electrical and Electronics Engineering PROJECT (21EEP75)

Semester -VII

Sl. No.	USN	NAME	Title	GUIDE NAME	SIGNATURE
1	1RR21EE004	BHUMIKA K RAMESH	Fault detection in IEEE 9 bus system using MATLAB simulink	Prof. Kiruthika K	WH
	1RR21EE013	VISHAL G			
	1RR21EE014	VIVEK N			
	1RR22EE408	Jyoti			
2	1RR22EE405	HARSHITHA C	Vehicle accident alert system with alchohole detector	Prof. Avinash C M	M
	1RR22EE410	MATHEW PAUL J			
	1RR22EE411	PRAJWALA M P			
	1RR22EE413	RAKSHITHA S Y			
3	1RR21EE002	AISHWARYA S	BECKON BASED COUNTER -UAS BOT IN DEFENSE	Prof. Prutha G	
	1RR21EE003	B PAVAN			Fra
	1RR21EE010	POOJA H PATEL			
	1RR22EE414	SAIVIVEK Y			
4	1RR22EE400	BHARATH K GOWDA	Dynamic wireless charging system	Prof. Nandini N.	de
	1RR22EE406	H K ANILKUMAR			
	1RR22EE412	PRAKRUTHI S			
	1RR22EE415	SHRUTHI GS			
5	1RR21EE005	JYOTHSNA RAM P	Varicos Veins Disease Automated treatment with Vibration using BAN	Prof. Udhyami M B	
	1RR21EE011	PUNITH N			
	1RR21EE015	YESHWANTH NAIDU M			1)Ahm
	1RR22EE407	JOEL SIBI			200
6	1RR21EE009	MOHAMMED KAIF	RESUE BOT using drone	Prof. Sincy Elezebeth Kuruvilla	Jan Gu
	1RR22EE402	CHANDAN S P			
	1RR22EE404	GIRISH P BHANDARI			
	1RR22EE417	YASHVANTH SIDDU			
7	1RR21EE001	AFNAN SHARIFF A	Smart Tuture Tarming To I driven intelligent hydrophonics system for sustainable indoor microgreen and premium crop cultivation	Dr. Arul Jose	19
	1RR21EE007	MANOJ K P			
	1RR22EE401	BHARATHN			
8	1RR22EE409	KEERTHANA B	Solar based EV charging	Prof. Shivalingah K L	0. 0.
	1RR21EE008	MARUTHI T			Mi Re
9	1RR21EE006	KEERTHANA GC	Solar panel cleaning system	Dr.Ebby Darney	19
	IRR21EE012	VINUDHARANI K L			N N

Project Coordinator

Professor & HOD

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Ramohalli Cross, Bengaluru-7/

Jnana Sangama, Belagavi - 590018



Main Project Report On

## "FAULT DETECTION IN IEEE 9 BUS SYSTEM USING MATLAB & SIMULINK"

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

#### BACHELOR OF ENGINEERING UNDER VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Submitted by:

BHUMIKA K RAMESH VISHAL G VIVEK N JYOTI

1RR21EE004 1RR21EE013 1RR21EE014

1RR22EE408

Under the guidance of:

KIRUTHIKA K Assistant Professor Dept. of EEE

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#### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



This is to certify that the project work entitled "FAULT DETECTION IN IEEE 9
BUS SYSTEM USING MATLAB & SIMULINK" is a bonafide work carriedout by
BHUMIKA K RAMESH (1RR21EE004), VISHAL G (1RR21EE013), VIVEK N
(1RR21EE014), JYOTI (1RR22EE408) in partial fulfilment for the award of
Bachelor of Engineering in Electrical and Electronics Engineering of the
Visvesvaraya Technological University, Belagavi during the year 2024-2025. It is
certified that all corrections & suggestions indicated for internal assessment have been
incorporated in the report & deposited in the departmental library. The main project
report has been approved as itsatisfies the academic requirements.

Signature of the Guide

Prof. Kiruthika K

Signature of HOD

Dr. P Ebby Darney

Signature of the Principal

COLLEGE Balakcishum RIG

Ramoham/Oross, Bengaluru-74 COLLEGE OF ENGINEERING

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Name of the Examiners:

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Dept. of Electronics Engg.
Rajarajeswari College Of Engineering
Bengaluru-74



#### Main project report on

## "VEHICLE ACCIDENT ALERT SYSTEM WITH ALCOHOL DETECTOR"

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

# BACHELOR OF ENGINEERING UNDER VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Submitted by

PRAJWALA M P HARSHITHA C MATHEW PAUL J RAKSHITHA S Y

1RR22EE411 1RR22EE405 1RR22EE410 1RR22EE413

Under the guidance of:

Prof. AVINASH C M Assistant Professor Dept. of EEE

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Pamohaili Cross, Bengaluru-74

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#### CERTIFICATE

This is to certify that the project work entitled on "VEHICLE ACCIDENT ALERT SYSTEM WITH ALCOHOL DETECTOR" is a bonafide work carried out by PRAJWALA M P (IRR22EE411). BARSHITHA C (IRR22EE405), MATHEW PAUL J (IRR22EE410), RAKSHITHA S Y (IRR22EE413), in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of the during the year 2024-2025. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report. The main project report has been approved as it satisfies the academic requirements.

Signature of title Guide Prof. Avintsh C M

Dr. Ebby Darney

RamohaDrcBalakBalanalpru-74

Name of the Examiners:

Signature with date:

Dept, of Electrical & Electronics Engg. Relatajeswari College of Engineering Benealury in



Main project report on

## "BECKON BASED COUNTER - UAS SCORPION IN DEFENSE"

Submitted in partial fulfilment of the requirement for the award of degree of BACHELOR OF ENGINEERING

IN

## ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by:

AISHWARYA S

(1RR21EE002)

B PAVAN

(1RR21EE003)

POOJA H PATEL (IRR21EE010)

SAI VIVEK Y

(1RR22EE414)

Under the guidance of:

Prof. Prutha G Assistant Professor Dept. of EEE

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#### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



#### CERTIFICATE

This is to certify that the project work entitled "BECKON BASED COUNTER - UAS SCORPION IN DEFENSE" is a bonafide work carried out by AISHWARYA S (1RR21EE002), B PAVAN (1RR21EE003), POOJA H PATEL (1RR21EE010), SAI VIVEK Y (1RR22EE414), in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2024-2025. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The main project report has been approved as itsatisfies the academic requirements.

Signature of the Guide

Prof. Prutha G

Signature of the HOD

Dr. P Ebby Darney

Signature of the Principal

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Ramohalli Cross, Bengaluru-7/

Name of the Examiners:

1. A P HBBY WENDY

2. July for 1 Palett

Signature with date:

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Rajarajeswari College Of Engineering
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Jnana Sangama, Belagavi - 590018



Main project report on

#### "AN ELECTRIFIED AUTOMATIC ROAD SYSTEM"

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

#### BACHELOR OF ENGINEERING UNDER VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Submitted by:

BHARATH K GOWDA [1RR22EE400] HIRE KURUBAR ANILKUMAR [1RR22EE406] PRAKRUTHI S [1RR22EE412] SHRUTHI G S [1RR22EE415]

Under the guidance of:

Prof. Nandini N Assistant Professor Dept. of EEE

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2024-2025







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#### CERTIFICATE

This is to certified that the project work entitled "AN ELECTRIFIED AUTOMATIC ROAD SYSTEM" is a bonafide work carried out by BHARATH K GOWDA [IRR22EE400], HIRE KURUBAR ANILKUMAR [IRR22EE406], PRAKRUTHI S [IRR22EE412], SHRUTHI G S [IRR22EE415] in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2024-2025. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The main project report has been approved as itsatisfies the academic requirements.

Signature of the Guide

Prof. Nandini N

Signature of the HOD

Dr. P Ebby Darney

Signapure of the Principal

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"amohalli Cross, Dengaluru-7\*

Signature with date:

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Name of the Examiners:

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Dept. of Electrical & Electronics Enga Paiarajeswari College Of Engineering

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#### Main Project Report on

#### "VARICOSE VEINS DISEASE AUTOMATED TREATMENT WITH VIBRATING USING BAN"

Submitted in partial fulfilment for the award of degree of

## BACHELOR OF ENGINEERING In ELECTRICAL AND ELECTRONICS ENGINEERING

#### Submitted by

JYOTHSNA RAM P PUNITH, N YESHWANTH NAIDU M JOEL SIBI (1RR21EE005)

(1RR21EE011)

(1RR21EE015)

(1RR22EE407)

#### Under the guidance of

Prof. Udhyami M B
Assistant Professor
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This is to certify that the project work entitled on "VARICOSE VEIN DISEASE AUTOMATED TREATMENT WITH VIBRATING USING BAN" is a Bonafede work carried out by JYOTHSNA RAM P (1RR21EE005), PUNITH N (1RR21EE011), YESHWANTH NAIDU M (1RR21EE015), JOEL SIBI (1RR22EE407) in partial fulfilment the award of Bachelor of Engineering in 'Electrical and Electronics Engineering' of the Visvesvaraya Technological university, Belgaum during the year 2024- 2025. It is certified that all correction suggestions indication for internal assessment has been incorporated in the report. The project report has been approved as it satisfies the academic requirement in respect of project prescribed for the said degree.

Signature of the Guide

Prof. Udhyami M B

Dr. P Ebby Darney

Signature of the Principal

COLLEGE OF ENGINEERING

Dr. Balakrishna & Bengaluru-7/

Name of Examiners

Signature with Date

ept. of Elect Rajarajeswari College Of Engineering Bengaluru-74

Jnana Sangama, Belagavi - 590018



Main project report on

"Rescue Bots Using Drone and Rovers For Disaster Management"

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

BACHELOR OF ENGINEERING UNDER VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Submitted by:

MOHAMMED KAIF (1RR21EE009) CHANDAN S.P (1RR22EE402) GIRISH PRABHAKAR BHANDARI (1RR22EE404) YASHVANTH SIDDU A.S (1RR22EE417)

Under the guidance of:

Prof.Sincy Elezebeth Kuruvilla Assistant Professor Dept.of EEE

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



#### CERTIFICATE

This is to certified that the project work entitled "RESCUE BOTS USING DRONE AND ROVERS FOR DISASTER MANAGEMENT" is a bonafide work carried out by MOHAMMED KAIF (IRR21EE009), CHANDAN S.P (IRR22EE402), GIRISH PRABHAKAR BHANDARI (IRR22EE404), VASHVANTH SIDDU A.S (IRR22EE417) in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of the Visvesvaraya Technological University. Belagavi during the year 2024-2025. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The main project report has been approved as it satisfies the academic requirements.

Signature of the Guide

Prof. Sincy Elezebeth Kuruvilla Signature of the HOD Dr. P Ebby Darney

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Ramohalli Cross, Bengaluru-7

Name of the Examiners:

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Signature with date:

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Page: 1

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Dept. of Electrical & Electronics Engg, Rajarajeswari College Of Engineering



#### Main Project Report on

"Smart IoT-Based Hydroponics System for Sustainable Indoor Cultivation of Microgreens and High-Value Crops" Submitted in partial fulfilment for the award of degree of

## BACHELOR OF ENGINEERING In ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

AFNAN SHARIFF A (1RR21EE001) MANOJ K P (1RR21EE007) BHARATH N (1RR22EE401)

Under the guidance of Dr R. Arul Jose Associate Professor

Department of Electrical and Electronics Engineering



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2024-2025







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Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING Ramohalli Cross, Bengaluru-7¢

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This is to certify that the project work entitled on "Smart IoT-Based Hydroponics System for Sustainable Indoor Cultivation of Microgreens and High-Value Crops" is a Bonafide work carried out by AFNAN SHARIFF A (IRR21EE001), MANOJ K P (1RR21EE007), BHARATH N (1RR22EE401) in partial fulfilment the award of Bachelor of Engineering in 'Electrical and Electronics Engineering of the Visvesvaraya Technological university, Belgaum during the year 2024- 2025. It is certified that all correction suggestions indication for internal assessment has been incorporated in the report. The project report has been approved as it satisfies the academic requirement in respect of project prescribed for the said degree.

Signature of the Guide

Signature of the HOD

Dr R. Arul Jose

Dr. P Ebby Darney

Signature of the Principal

COLLEGE OF ENGINEERING

Bar DraBalakrishna Bluru-7/

Name of Examiners

Signature with Date

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Bengaluru-74

Jnana Sangama, Belagavi - 590018



project report on

#### "F-BIKE SPEED CONTROLLER SYSTEM"

Subject code: 21EE76

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

BACHELOR OF ENGINEERING

IN VISVESVARAYA TECHNOLOGICAL UNIVERSITY

> Submitted by: MARUTHI T [1RR21EE008] KEERTHANA B [1RR22EE409]

Under the guidance of:

Prof. Shivalingaiah K L Assistant Professor

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



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2024-2025







R. P. Ancipa

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Dept. of Electrical Electronics Engg. Rajarajeswari College Of Engineering Bengaluru-74

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#### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



#### CERTIFICATE

This is to certified that the project work entitled "E-BIKE SPEED CONTROLLER SYSTEM" is a bonafide work carried out by MARUTHI T [IRR21EE008], KEERTHANA B [IRR22EE409] in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of the Visvesvaraya Technological University. Belagavi during the year 2024-2025. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The main project report has been approved as it satisfies the academic requirements.

Prof. Shivalingaiah K L

Dr. P Ebby Darney

COLLEGE BALLWISHEE NING

amohalli Cross, Bengaluru-74

Name of the Examiners:

Signature with date:

Riginieswari College Of Engineering

Bangaluru-74

Jnana Sangama, Belagavi - 590018



Main project report on

"Solar panel cleaning system"

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

BACHELOR OF ENGINEERING UNDER VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Submitted by:

KEERTHANA G C (IRR21EE006) VINU DHARANI K L(IRR21EE012)

Under the guidance of:

Dr. P Ebby Darney Head of Department Dept.of EEE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



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#### CERTIFICATE

This is to certified that the project work entitled "SOLAR PANEL CLEANING SYSTEM" is a bonafide work carriedout by KEERTHANA GC (IRR21EE006), VINU DHARANI K L (IRR21EE012) in partial fulfilment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of the Visvesvaraya Technological University. Belagavi during the year 2024-2025. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The main project report has been approved as itsatisfies the academic requirements.

Signature of the Guide

Dr. Ebby Darney

Signature of the HOD

Dr. P Ebby Darney

Signature of the Principal

COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-74

Name of the Examiners:

1. Jr. R. Gly King

2 Jackson & Dayler

Signature with date:

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Dept. of Electrical & Electronics Engage Referejeswari College Of Engineering

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