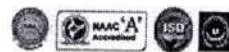




RajaRajeswari College of Engineering



(Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi)
#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru - 560074






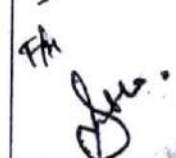
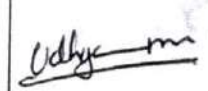
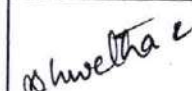

Department of Electrical & Electronics Engineering

MINI PROJECT LIST 5TH SEM SUB CODE:

SL NO	NAME	USN	PROJECT TITLE	PROJECT GUIDE	Signature
1	Madhusudhan Bridar	1RR22EE018	Un-mute Technology	PROF.PRUTHA G	
	Aditya Wanegan	1RR22EE039			
	Sampras Angelo	1RR22EE026			
2	G Vishnu Datta	1RR22EE013	IOT based Power Monitoring system for Home applications	PROF. KIRUTHIKA K	
	Prajwal L	1RR22EE022			
	Lithish MR	1RR22EE017			
	Asher Sumith	1RR22EE006			
3	Likith A	1RR22EE016	Pedal Power generation	PROF.NANDINI.N	
	Bharath N J	1RR23EE404			
	Nithin A	1RR22EE019			
	Vijay Kumar H K	1RR22EE038			
4	Arunkumar	1RR22EE005	Anti sleep alarm for drivers	Dr.EBBY DARNEY	
	Puggi bharath	1RR23EE421			
	Prajwal R.J	1RR22EE021			
	Hajilalsab	1RR23EE410			
5	Jeevan p	1RR22EE014	Wireless Charging of Electric Vehicle while in motion on Highway	Dr.EBBY DARNEY	
	Pavan kumar rl	1RR22EE020			
	Chidanandaswami	1RR22EE008			
6	Arpitha.M	1RR23EE401	Pedal Power Generation	PROF.NANDINI.N	
	Deekshitha.T.P	1RR23EE408			
	Kumar Sagar	1RR23EE412			
	Mohammad Asim	1RR23EE418			
7	Santhosh M	1RR23EE425	Electric vehicle Wireless charging station	PROF.UDHYAMI.MB	
	Prem kumar M	1RR23EE420			
	Kavana N	1RR23EE411			
	Tejashree R	1RR23EE426			
8	Deekshitha reddy s	1RR22EE010	Automated Smart parking system	DR.ARUL JOSE .R	
	Sameer bhasha	1RR23EE423			
	C vinod kumar	1RR23EE405			
	Mallikarjun km	1RR22EE415			
9	Guru Kiran AL	1RR23EE409	Single acting Solenoid Engine	PROF.SHIVALINGAIAH.KL	
	Manoj kumar N	1RR23EE417			
	Chandana N	1RR23EE407			
	Thejaswini N	1RR23EE428			

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


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

10	Kirana J	1RR22EE015	Gesture controlled Wheel chair	DR.ARUL JOSE .R	
	Ragini Sharma	1RR22EE023			
	Tabassum A	1RR22EE035			
	Thambara Selva S	1RR23EE427			
11	Soniya M Chavan	1RR22EE030	A Gate with security Verification	PROF.SINCY ELIZEBETH	
	Rishitha HS	1RR22EE024			
	Darshan BM	1RR23EE402			
	Sandeep BM	1RR23EE424			
12	Shreyas ks	1RR22EE028	L-Sheild for Ammunation	PROF.PRUTHA G	
	Srivathsa N	1RR22EE032			
	Yashas B	1RR22EE040			
13	Bharath Kumar C	1RR23EE404	Under voltage & Overvoltage protection system	PROF.SHWETHA.R	
	Chandan.N	1RR23EE406			
	Tejas Gowda ml	1RR22EE036			
14	Basavaraj	1RR22EE007	IOT based Smart Energy meter	PROF.SHIVALINGAIAH.KL	
	Akash Shivappa Belakud	1RR22EE017			
	Divya D	1RR22EE011			
	Anusha M	1RR22EE004			
15	Adarsh RK	1RR22EE001	Arduino Based theft Detection using GSM module	PROF. KIRUTHIKA K	
	Ullas U	1RR22EE037			
	Siddaraju N	1RR22ER029			
	Chinmay Swaroop CP	1RR22EE009			
16	Sushma L	1RR22EE034	Smart Locking system using Fingerprint Technology	PROF.UDHYAMI.MB	
	Shobhitha N	1RR22EE027			
	Akshay L	1RR22EE003			
17	Spandana S.S	1RR22EE031	Distance measuring using Arduino	PROF.SHWETHA.R	
	Anil kumar	1RR23EE400			
	Mahammad Suhel	1RR23EE414			
	Pavan B.R	1RR23EE419			
18	Punith Kumar G	1RR23EE422	IOT based Vacuum Robot	PROF.AVINASH.CM	
	Mani Deepak S	1RR23EE416			
	Likith P	1RR23EE413			
	Subash G	1RR22EE033			


Principal

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74


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


HOD/EEF
Professor & HOD
Dept. of Electrical & Electronics Engg.
Rajarajeswari College Of Engineering
Bengaluru-74

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



A Mini Project Report on

“UNMUTE TECHNOLOGIES (SIGN TO VOICE)”

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

BACHELOR OF ENGINEERING IN ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by:

MADHUSUDAN B (1RR22EE018)

SAMPRAS ANGELO (1RR22EE026)

ADITYA WANEGAON (1RR22EE039)

Under the guidance of

PRUTHA G

Assistant professor

Department of Electrical and Electronics Engineering



DEPT. ELECTRICAL & ELECTRONICS ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

[Affiliated to VTU, accredited by NBA & NAAC, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

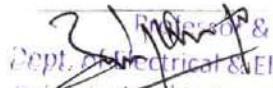
2024-2025

Dept of EEE, RRCE

2024 - 2025


Principal
RAJARAJESWARI

COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74


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

RAJARAJESWARI COLLEGE OF ENGINEERING

[Affiliated to VTU, accredited by NBA & NAAC, Belagavi. Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbhalagodu, Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work Entitled is a Bonafide work carried out by **MADHUSUDHAN B (1RR22EE018)**, **SAMPRAS A (1RR22EE26)**, **ADITYA W(1RR22EE039)** in partial fulfillment 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 project report has been approved as it satisfies the academic requirements for the said degree.

Signature of the Guide

Mrs. Prutha G

Signature of the HOD

Dr. Ebby Darney

Signature of the Principal
RAJARAJESWARI COLLEGE OF ENGINEERING
Principal
Ramohalli Cross, Bengaluru-74
Dr. R. Balakrishna
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Dept of EEE, RRCE

2024 - 2025

II

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

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, affiliated to VTU, Belagavi. Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the mini project (BEE586) work entitled - **"IOT BASED POWER MONITORING SYSTEM FOR HOME APPLICATION"** is a Bonafide work carried out by **ASHER SUMITH [IRR22EE006], G VISHNU DATTA [IRR22EE013], LITHISH M R [IRR22EE017] and PRAJWAL L [IRR22EE022]** of **Rajarajeswari college of Engineering** 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 department library. The mini project report has been approved as it satisfies the academic requirement for the said degree.

Signature of the Guide

Prof. Kiruthika K

Signature of the HOD

Dr. P Ebby Darney

Signature of the Principal

**RAJARAJESWARI
COLLEGE OF ENGINEERING
#14, Ramohalli Cross, Bengaluru-74**

**Professor & HOD
Dept. of Electrical & Electronics Engg.
Rajarajeswari College Of Engineering
Bengaluru-74**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI – 590018



MINI PROJECT(BEE586)

REPORT

“PEDAL POWER GENERATION”

Submitted in partial fulfillment of the requirement for the 5th-semester degree of bachelor of engineering in electrical and electronics Engineering Visvesvaraya Technological University, Belgaum

Submitted by

LIKITH A(1RR22EE016)

NITHIN A(1RR22EE019)

BHARATH N J(1RR23EE404)

VIJAY KUMAR H K(1RR22EE038)

Under the guidance of

Prof.NANDINI N

Assistant Professor

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

(NBA and NAAC Accredited)



RAJARAJESWARI COLLEGE OF ENGINEERING

(#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74)



R.Raj
Principal
RAJARAJESWARI

COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

[Signature]
Professor & HOD
Dept. of Electrical & Electronics Engg.
Rajarajeswari College Of Engineering
Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

(#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74)

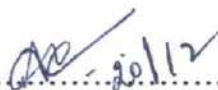
(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "PEDAL POWER GENERATION" is a Bonafide work carried out by **LIKITH A(1RR22EE016)**, **NITHIN A(1RR22EE019)**, **BHARATH N J(1RR23EE404)**, **VIJAY KUMAR H K(1RR22EE038)** in partial fulfillment for 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 corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirement regarding the project prescribed for the said degree.




Signature of the Guide

Prof. NANDINI N



Signature of the HOD

Dr. P EBBY DARNEY


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Signature of the Principal
Ramohalli Cross, Bengaluru-74

Dr. BALAKRISHNA R

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



A Mini Project (BEE586) Report on "ANTI SLEEP ALARM FOR DRIVERS"

Submitted in partial fulfilment of the requirement for the award of degree of
BACHELOR OF ENGINEERING
IN
ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

ARUNKUMAR M.W	(1RR22EE005)
PRAJWAL R.J.	(1RR22EE021)
PUGGIBHARATH	(1RR23EE421)
HAJILALSAB	(1RR23EE410)

Under the guidance of

Dr. EBBY DARNEY
Associate Professor

Department of Electrical and Electronics Engineering



DEPT. OF ELECTRICAL AND ELECTRONICS ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74
2024-2025



R.R. Rajarajeswari
Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-74

[Signature]
Professor & HOD

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

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalgodu, Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

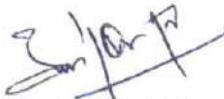


CERTIFICATE

This is to certify that the mini project (BEE586) work entitled - **"ANTI - SLEEP ALARM FOR DRIVERS"** is a bonafide work carried out by **ARUNKUMAR MW [IRR22EE005], PRAJWAL RJ [IRR22EE021], PUGGI BHARATH [IRR22EE421] and HAJILALSAB [IRR23EE410]** of RajaRajeswari College of Engineering 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 department library. The project report has been approved as it satisfies the academic requirement for the said degree.



Signature of the Guide

Dr. P Ebby Darney


Signature of the HOD

Dr. P Ebby Darney


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
#14, Ramohalli Cross, Mysore Road, Kumbalgodu, Bengaluru-74


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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI – 590018



Mini Project (BEE586)

**“WIRELESS CHARGING OF ELECTRIC VEHICLE
WHILE IN MOTION ON HIGHWAY”**

Submitted in partial fulfillment of the requirement for the 5th-semester degree of bachelor of engineering in electrical and electronics Engineering Visvesvaraya Technological University, Belgaum

Submitted by

JEEVEN P (1RR22EE014)

CHIDANANDASWAMI (1RR22EE008)

PAVAN KUMAR R L (1RR22EE020)

Under the guidance of

Dr. P EBBY DARNEY

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**



RAJARAJESWARI COLLEGE OF ENGINEERING

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

2024-2025



R.R. Darney
Principal

**RAJARAJESWARI
COLLEGE OF ENGINEERING**
Ramohalli Cross, Bengaluru-74

Sanjana
Professor & HOD
Dept. of Electrical & Electronics Engg.
Rajarajeswari College of Engineering
Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

(#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74)

(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "**WIRELESS CHARGING OF ELECTRIC VEHICLE WHILE IN MOTION ON HIGHWAY**" is a bonafide work carried out by **JEEVAN P (1RR22EE014), CHIDANANDASWAMI (1RR22EE008), PAVAN KUMAR R L (1RR22EE020)**, in partial fulfillment for 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 corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirement regarding the project prescribed for the said degree.

Signature of the Guide

Dr. P EBBY DARNEY

Signature of the HOD

Dr. P EBBY DARNEY

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Signature of the Principal

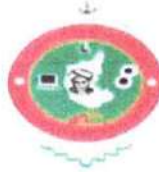
Dr. BALAKRISHNA

Professor & HOD

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



A Project Report on

"Electric vehicle Wireless charging station"

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

BACHELOR OF ENGINEERING

In

ELECTRICAL AND ELECTRONICS

Submitted by

KAVANA N (1RR23EE411)

PREMKUMAR M (1RR23EE420)

SANTHOSH M (1RR23EE425)

TEJASHREE R (1RR23EE426)

Under the guidance of

Prof. UDHYAMI M. B

Assistant professor

Department of Electrical and Electronics Engineering



DEPT. OF ELECTRICAL AND ELECTRONICS ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

2024-2025




Principal
RAJARAJESWARI

COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74


Head of Department
Rajarajeswari College Of Engineering
Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING



CERTIFICATE

This is to certify that the project work entitled - **"Electric vehicle Wireless charging station"** is a bonafide work carried out by **KAVANA N [IRR23EE411], PREM KUMAR M [IRR23EE420], SANTHOSH M [IRR23EE425] and TEJASHREE R [IRR23EE426]** of **Rajarajeswari college of Engineering** 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 department library. The project report has been approved as it satisfies the academic requirement for the said degree.

Signature of the Guide

Prof.UDHYAMI M. B

Signature of the HOD

Dr. P Ebby Darney

Principal

RAJARAJESWARI

Signature of the Principal

COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-74

Dr. B. Lakshmi R

COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

Professor & HOD

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



A Mini Project (BEE586) Report on

"AUTOMATED SMART PARKING SYSTEM"

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

BACHELOR OF ENGINEERING IN ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

DEEKSHITHA REDDY S (1RR22EE010)

C VINOD KUMAR (1RR23EE405)

MALLIKARJUNA KM (1RR23EE415)

SAMEER BASHA (1RR23EE423)

Under the guidance of

Dr. ARUL JOSE R

Associate Professor

Department of Electrical and Electronics Engineering



DEPT. OF ELECTRICAL AND ELECTRONICS ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalgodu, Bengaluru-74

2024-2025



R. Arul Jose R.
Principal

RAJARAJESWARI

COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-74

[Signature]
Professor & HOD

Dept. of Electrical & Electronics Engg.

Rajarajeswari College Of Engineering

Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalgodu, Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING




CERTIFICATE


This is to certify that the mini project (BEE586) work entitled - **"AUTOMATED SMART PARKING SYSTEM"** is a bonafide work carried out by **DEEKSHITHA REDDY S [IRR22EE010]**, **C VINOD KUMAR [IRR23EE405]**, **MALLIKARJUNA KM [IRR23EE415]** and **SAMEER BASHA [IRR23EE423]** of **RajaRajeswari College of Engineering** 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 department library. The project report has been approved as it satisfies the academic requirement for the said degree.



Signature of the Guide

Dr. R ARUL JOSE


Signature of the HOD

Dr. P Ebby Darney


Signature of the Principal
Principal
RAJARAJESWARI
Dr. Balakrishna R
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74


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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



A Mini Project (BEE586) Report on "SINGLE ACTING SOLENOID ENGINE"

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

BACHELOR OF ENGINEERING IN ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

CHANDANA N	(1RR23EE407)
GURU KIRAN A L	(1RR23EE409)
MANOJ KUMAR N	(1RR23EE417)
THEJASWINI N	(1RR23EE428)

Under the guidance of

Prof. SHIVALINGAIAH K L
Assistant professor
Department of Electrical and Electronics Engineering



DEPT. OF ELECTRICAL AND ELECTRONICS ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]


#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74
2024-2025




Principal

RAJARAJESWARI
COLLEGE OF ENGINEERING

Ramohalli Cross, Bengaluru-74


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

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled - "SINGLE ACTING SOLENOID ENGINE" is a bonafide work carried out by CHANDANA N [1RR23EE407], GURU KIRAN A L [1RR23EE409], MANOJ KUMAR N [1RR23EE417] and THEJASWINI [1RR23EE428] of Rajarajeswari college of Engineering 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 department library. The project report has been approved as it satisfies the academic requirement for the said degree.

Signature of the Guide

Prof. SHIVALINGAIAH

Signature of the HOD

Dr. P Ebby Darney

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74
Dr. Balakrishna R

Signature of the Professor & HOD

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



A Mini Project [BEE586] Report

on

“Smart Locking System Using Fingerprint Technology”

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

BACHELOR OF ENGINEERING

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

SHOBHITHA N

(1RR22EE027)

SUSHMA L

(1RR22EE034)

AKSHAY L

(1RR22EE003)

Under the guidance of

Prof. Udhyami M B

Assistant Professor

Department of Electrical and Electronics Engineering



DEPT. OF ELECTRICAL AND ELECTRONICS ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalgodu, Bengaluru-74

2024-2025



[Signature]
Principal

**RAJARAJESWARI
COLLEGE OF ENGINEERING**

Ramohalli Cross, Bengaluru-74

[Signature]
Professor & HOD
Dept. of Electrical & Electronics Engg.
Rajarajeswari College Of Engineering
Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalgodu, Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled - **"SMART LOCKING SYSTEM USING FINGERPRINT TECHNOLOGY"** is a bonafide work carried out by **SHOBHITHA N [1RR22EE027]**, **SUSHMA L [1RR22EE034]**, **AKSHAY L [1RR22EE003]** of RajaRajeswari College of Engineering 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 department library. The project report has been approved as it satisfies the academic requirement for the said degree.

Signature of the Guide

Prof. Udhyami M B

Signature of the HOD

Dr. P Ebby Darney

Signature of the Principal

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING

Dr. Balakrishna D
#14, Ramohalli Cross, Mysore Road, Bengaluru-74

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



A Mini Project (BEE586) Report on

"GESTURE CONTROLLED WHEEL CHAIR"

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

BACHELOR OF ENGINEERING IN ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

RAGINI SHARMA R	(1RR22EE023)
TABASSUM	(1RR22EE035)
KIRANA J	(1RR22EE015)
THAMBARA SELVA S	(1RR23EE427)

Under the guidance of

DR. R. ARUL JOSE

Department of Electrical and Electronics Engineering



DEPT. OF ELECTRICAL AND ELECTRONICS ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

2024-2025



R.R. Jose
Principal

**RAJARAJESWARI
COLLEGE OF ENGINEERING**

Ramohalli Cross, Bengaluru-74

[Signature]
HOD
Department of Electrical & Electronics Engg.
Rajarajeswari College Of Engineering
Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING




CERTIFICATE

This is to certify that the Mini project(BEE586) work entitled "GESTURE CONTROLLED WHEEL CHAIR" is a Bonafide work carried out by RAGINI SHARMA R[IRR22EE023], TABASSUM [IRR22EE035], KIRANA J [IRR22EE015] and THAMBARA SELVA [IRR23EE427] of Rajarajeswari college of Engineering 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 department library. The project report has been approved as it satisfies the academic requirement for the said degree.



Signature of the Guide

Dr. R. Arul Jose


Signature of the HOD

Dr. P Ebby Darney


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74
Dr. Balakrishna R


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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI – 590018



MINI PROJECT REPORT ON

"A GATE WITH SECURITY VERIFICATION"

Submitted in partial fulfilment of the requirement for the 5th-semester degree of Bachelor of Engineering in Electrical and Electronics Engineering Visvesvaraya Technological University, Belgaum

Submitted by

RISHITHA H S (IRR22EE024)

SONIYA M CHAVAN (IRR22EE030)

B M DARSHAN (IRR23EE402)

SANDEEP B M (IRR23EE424)

Under the guidance of

SINCY ELEZEBETH KURUVILLA

(Asst. Professor, Dept. of EEE, RRCE)

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

(NAAC A+ Accredited)



RAJARAJESWARI COLLEGE OF ENGINEERING

(#14, Ramohalli Cross, Mysore Road, Kumbhalagodu, Bengaluru-74)



[Signature]
Principal

**RAJARAJESWARI
COLLEGE OF ENGINEERING**
Ramohalli Cross, Bengaluru-74

[Signature]
Professor & HOD
Dept. of Electrical & Electronics Engg.
Rajarajeswari College Of Engineering
Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

(#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74)

(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the mini project work entitled "A GATE WITH SECURITY VERIFICATION" is a Bonafide work carried out by **RISHITHA HS (1RR22EE024)**, **SONIYA M CHAVAN (1RR22EE030)**, **B M DARSHAN (1RR23EE402)**, **SANDEEP B M (1RR23EE424)** in partial fulfilment for 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 corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirement regarding the project prescribed for the said degree.

Signature of the Guide

Prof. Sincy Elezebeth
Kuruvilla

Signature of the HOD

Dr. P Ebby Darney

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Signature of the Principal
Ramchalli Cross, Bengaluru-74
Dr. Balakrishna R

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



A Project Report on “L-SHIELD FOR AMMUNITIONS”

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

BACHELOR OF ENGINEERING IN ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

SRIVATHSA N	(1RR22EE032)
YASHAS B	(1RR22EE040)
SHREYAS K S	(1RR22EE028)

Under the guidance of

Prof. Prutha G
Assistant Professor
Department of Electrical and Electronics Engineering



DEPT. OF ELECTRICAL AND ELECTRONICS ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalodu, Bengaluru-74 2024-2025



R. Prutha G.
Principal

RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

I Dept. of EEE, RRCE

2024-2025

S. K. P.
Professor & HOD
Dept. of Electrical & Electronics Engg.
Rajarajeswari College Of Engineering
Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalgodu, Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING




CERTIFICATE

This is to certify that the project work entitled - **"L-SHIELD FOR AMMUNITIONS"** is a bonafide work carried out by **SRIVATHSA N [1RR22EE032]**, **YASHAS B [1RR22EE040]**, **SHREYAS K S [1RR22EE028]** of RajaRajeswari College of Engineering 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 department library. The project report has been approved as it satisfies the academic requirement for the said degree.



Signature of the Guide

Prof. Prutha G


Signature of the HOD

Dr. P Ebby Darney


Signature of the Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Mysore Road, Kumbalgodu, Bengaluru-74


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

2 Dept. of EEE, RRCE

2024-2025

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
Jnana Sangama, Belagavi – 590018



A Mini Project (BEE586) Report on

“UNDervoltage AND OvERvoltage PROTECTION SYSTEM”

Submitted in partial fulfilment of the requirement for the award of degree of
BACHELOR OF ENGINEERING
IN
ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

BHARATH KUMAR C (1RR23EE403)
CHANDAN N (1RR23EE406)
TEJAS GOWDA ML (1RR22EE036)

Under the guidance of

Prof. SHWETHA R
Assistant professor
Department of Electrical and Electronics Engineering



DEPT. OF ELECTRICAL AND ELECTRONICS ENGINEERING
RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74.
2023-2024



Principal

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Kumbalagodu Cross, Bengaluru-74

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

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled - **"UNDERVOLTAGE AND OVERVOLTAGE PROTECTION SYSTEM"** is a bonafide work carried out by **BHARATH KUMAR C [IRR2EE404]**, **CHANDAN N [IRR23EE406]**, **TEJAS GOWDA ML [IRR22EE036]** of **Rajarajeswari college of Engineering** 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 department library. The mini project report has been approved as it satisfies the academic requirement for the said degree.



Signature of the Guide

Prof. Shwetha R


Signature of the HOD

Dr. P Ebby Darney


Principal
Signature of the Principal
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74


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

VISVESARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



A Mini Project [BEE586] Report on

"IOT BASED SMART ENERGY METER"

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

BACHELOR OF ENGINEERING IN ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

ANUSHA M	1RR22EE001
DIVYA D	1RR22EE011
BASAVARAJ N	1RR22EE007
AKASH SHIVAPPA BELAKUD	1RR22EE002

Under the guidance of

SHIVALINGAIAH K L

Assistant Professor

Dept. of EEE




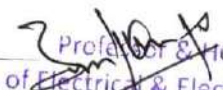
DEPT. ELECTRICAL AND ELECTRONICS ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

[Accredited by NBA & NAAC, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

2023-2024


HOD
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74


Professor & HOD
Dept. of Electrical & Electronics Engg,
Rajarajeswari College Of Engineering
Bengaluru-74

[NBA & NAAC Accredited, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi] #14,
Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

This is to certify that the project work entitled "**IOT BASED SMART ENERGY METER**" is a bonafide work carried out by **ANUSHA M [IRR22EE004], AKASH SHIVAPPA BELAKUDU [IRR22EE002], DIVYA D [IRR22EE011], BASVARAJU [IRR22EE007]** in partial fulfillment for the award of **Bachelor of Engineering in Electrical and Electronics Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2023-2024. It is certified that all corrections & suggestions indicated for internal assessment have been incorporated in the report & deposited in the departmental library. The project report has been approved as it satisfies the academic requirements.

Signature of the Guide

Signature of the HOD

Principal
RAMAKRISHNA
Principal
Signature of the Principal
Dr. R. Balakrishna

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



A Mini Project (BEE586) Report on "ARDUINO BASED THEFT DETECTION USING GSM MODULE"

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

BACHELOR OF ENGINEERING IN ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

ADARSH R K (1RR22EE001)

CHINMAYSWAROOP CP (1RR22EE009)

SIDDARAJU N (1RR22EE029)

ULLAS U (1RR22EE037)

Under the guidance of

Prof. KIRUTHIKA K
Assistant Professor

Department of Electrical and Electronics Engineering




DEPT. OF ELECTRICAL AND ELECTRONICS ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING


[Accredited by NBA & NAAC, affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road,
Kumbalagodu, Bengaluru-74

2024-2025




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


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

[Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi, Accredited by NBA & NAAC]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled **"ARDUINO BASED THEFT DETECTION USING GSM MODULE"** is a bonafide work carried out by **ADARSH R K (1RR22EE001), CHINMAY SWAROOP C P (1RR22EE009), ULLAS U (1RR22EE037), SIDDARJU N (1RR22EE029)** 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 project report has been approved as it satisfies the academic requirements.

Signature of the Guide

Prof. K. Kiruthika

Signature of the HOD

Dr. P. Ebby Darney

Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



A Mini Project(BEE586) Report on "DISTANCE MEASURING USING ARDUINO"

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

BACHELOR OF ENGINEERING IN ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

SPANDANA S S (1RR22EE031)

ANILKUMAR (1RR23EE400)

MAHAMMAD SUHEL (1RR23EE414)

PAVAN B R (1RR23EE419)

Under the guidance of

Prof. SHWETHA R

Assistant professor

Department of Electrical and Electronics Engineering




DEPT. OF ELECTRICAL AND ELECTRONICS ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING


[Accredited by NBA & NAAC, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]

#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

2024-2025




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


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

[NBA & NAAC Accredited, Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi]


#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE


This is to certify that the project work entitled - **"DISTANCE MEASURING USING ARDUINO"** is a bonafide work carried out by **SPANDANA S S (1RR22EE031), ANILKUMAR (1RR23EE400), MAHAMMAD SUHEL (1RR23EE414), PAVAN B R (1RR23EE419)** of **Rajarajeswari college of Engineering** 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 department library. The mini project report has been approved as it satisfies the academic requirement for the said degree.



Signature of the Guide

Prof. Shwetha R


Signature of the HOD

Dr. P Ebby Darney


Principal
Signature of the Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Dr. Balakrishna P
#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74


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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI – 590018



PROJECT REPORT ON

"IOT BASED PORTABLE VACUUM ROBOT USING VOICE COMMAND"

Submitted in partial fulfillment of the requirement for the 5th-semester degree of bachelor of engineering in electrical and electronics Engineering Visvesvaraya Technological University, Belgaum

Submitted by

PUNITH KUMAR G(1RR23EE422)

LIKITH P(1RR23EE413)

MANI DEEPAK S(1RR23EE416)

SUBHASH G(1RR22EE033)

Under the guidance of

AVINASH C M

(Professor, Dept. of EEE, RRCE)

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**


(NBA and NAAC Accredited)




RAJARAJESWARI COLLEGE OF ENGINEERING

(#14, Ramohalli Cross, Mysore Road, Kumbhalagoda, Bengaluru-74)




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


Principal
RAJARAJESWARI
COLLEGE OF ENGINEERING
Ramohalli Cross, Bengaluru-74

RAJARAJESWARI COLLEGE OF ENGINEERING

(#14, Ramohalli Cross, Mysore Road, Kumbalagodu, Bengaluru-74)

(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "**IOT BASED PORTABLE VACUUM ROBOT USING VOICE COMMAND**" is a bonafide work carried out by **PUNITH KUMAR G(1RR23EE422)**, **LIKITH P(1RR23EE413)**, **MANIDEEPAK S(1RR23EE416)**, **SUBHASH G(1RR22EE033)** in partial fulfillment for 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 corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirement regarding the project prescribed for the said degree.

.....
Signature of the Guide

Prof. Avinash C M

.....
Signature of the HOD

Dr. P Ebby Darney

.....
Principal
**RAJARAJESWARI
COLLEGE OF ENGINEERING...**
Ramohalli Cross, Bengaluru-74

Dr. Balakrishna R

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