



NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS INSTITUTION

Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana state, India

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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CERTIFICATE

This is to certify that the major project report entitled "**IOT BASED WOMEN SAFETY BAG**" is the bonafide work done by **Saikiran Gangshree - 21X05A0430, Vasireddy Junendra - 21X05A0439, Pirlapally Ravikiran Reddy - 20X01A0479, Talagapu Vinay Kumar - 21X05A0435**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 2023-2024.

Project Guide

Mrs. K. Lakshmi

Associate Professor,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Head of the Department

Dr. K. Purushotham Prasad

Head of Department,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:

External Examiner



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This is to certify that the major project report entitled “**SMART HOME MONITORING SYSTEM**” is the bonafide work done by **SAPPATI SAI CHARAN REDDY, 21X05A0433, LAKKIDI SATHWIK REDDY, 20X01A0472, GANTA NARASIMHA CHARAN, 20X01A0465, POCHUGARI CHANDRASHEKAR REDDY, 20X01A0480**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Electronics And Communication Engineering**, from Jawaharlal Nehru Technological University Hyderabad, during the year 2020-2024.

Guide

A.SACHIN M.TECH
Assistant Professor,
Department of Electronics
And Communication
Engineering,
NARSIMHAREDDY
ENGINEERING COLLEGE
Maisammaguda, Kompally,
Secunderabad.

Head of the Department

DR.K. PURUSHOTHAM PRASAD M.TECH,PhD
Professor & Head
Department of Electronics And
Communication Engineering,
NARSIMHAREDDY ENGINEERING
COLLEGE
Maisammaguda, Kompally,
Secunderabad.

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External Examiner



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This is to certify that the major project report entitled "**GSM BASED VEHICLE FUEL THEFT DETECTION SYSTEM WITH SMS INDICATION**" is the bonafide work done by **NADIREGA.SAI PRASAD REDDY-21X05A0426**, **CHILVERU ARAVIND-20X01A0458**, **RAVELLA ABHISHEK- 20X01A0483**, **GADDE SAI SHASHANK-20X01A0464**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electronics And Communication Engineering, from Jawaharlal Nehru Technological University Hyderabad, during the year 2020-2024.

Project Guide

MR. SULTHAN MAHAMOOD SYED

Assistant Professor,

Department of Electronics And Communication

Engineering, NARSIMHAREDDY ENGINEERING

COLLEGE

Maisammaguda, Kompally, Secunderabad.

Head of the Department

DR.K. PURUSHOTHAM PRASAD Ph.D

Professor & Head of the department

Department of Electronics And Communication

Engineering, NARSIMHAREDDY ENGINEERING

COLLEGE

Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:

External Examiner



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This is to certify that the major project report entitled "**SMART SHOPPING**" is the bonafide work done by **Vagumari Sambu Prashanth - 21X05A0437, Mekala Govardhan- 21X05A0424, Malyala Venu - 20X01A0473, Mailaram Manideep - 20X01A0474**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 20232024.

G. Spica Sujeetha
Project Guide 8/5/24

Mrs. G. Spica Sujeetha

Head of Department,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

K. Prasad

Head of the Department

Dr. K. Purushotham Prasad

Head of Department,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:

[Signature]
8/5/24
External Examiner



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This is to certify that the major project report entitled “**ADVANCED VEHICLE DETECTION AND AUTOMATIC PENALTY COLLECTION USING IOT**” is the bonafide work done by **Syed Usman - 20X01A0490, Bandi Dheeraj Kumar - 20X01A0456, Voruganti Rohith Reddy - 20X01A0450, Uppugalla Varun Kumar - 20X01A0446**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the year 2023-2024.

Project Guide

Mrs. N. Pavithra

Assistant professor,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Head of the Department

Dr. K. Purushotham Prasad

Head of Department,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:

External Examiner



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Department of Electronics And Communication Engineering



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Project Guide

MR. SULTHAN MAHAMOOD SYED

Assistant Professor,

Department of Electronics And Communication

Engineering, NARSIMHAREDDY ENGINEERING

COLLEGE

Maisammaguda, Kompally, Secunderabad.

Head of the Department

DR K. PURUSHOTHAM PRASAD Ph.D

Professor & Head of the department

Department of Electronics And Communication

Engineering, NARSIMHAREDDY ENGINEERING

COLLEGE

Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:

External Examiner



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This is to certify that a Major project report entitled "**MULTI LEVEL ANTI THEFT SECURITY SYSTEM USING GSM**" is the bonafide work done by **Mittapalli Ajay Sai Kumar-21X05A0425, Alluri Leela Sai- 20X01A0451, Nune Rajashekhar Reddy-20X01A0478, Garapati Yashwanth- 21X01A0487**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad,


Project Guide

A. SRINIVAS

Asst Professor,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.


Head of the Department

Dr. K. Purushotham Prasad

Head of Department,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:


External Examiner



NARSIMHA REDDY ENGINEERING COLLEGE
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This is to certify that the major project report entitled **"SMART STICK FOR THE BLIND"** is the bonafide work done by **Pentela Charan Sai - 21X05A0429, Vallakatla Sai Krishna- 21X05A0438, Chitikala Uma Mahesh - 20X01A0459, Kotagiri Prashanth - 20X01A0468**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 2023-2024.

Project Guide

G. Joy Sangeeth Raj,

Asst Professor,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Head of the Department

Dr. K. Purushotham Prasad

Head of Department,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:

External Examiner



NARSIMHA REDDY ENGINEERING COLLEGE
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This is to certify that the major project report entitled "**AUTOMATIC SPEED CONTROL AND ACCIDENT AVOIDANCE OF VEHICLE USING MULTI SENSORS**" is the bonafide work done by **Vutukuru Uday Sri Sai - 21X05A0440, Arakala Varun Raj - 20X01A0452, Puchakayala Dashawanth Reddy - 20X01A0482, Sri Ravi Kumar - 20X01A0486**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 2023-2024.

Project Guide

Dr. K. Purushotham Prasad

Head of Department,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Head of the Department

Dr. K. Purushotham Prasad

Head of Department,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:

External Examiner



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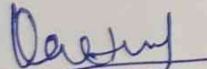
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This is to certify that the Major project report entitled **“IOT BASED COAL MINE SAFETY”** is the bonafide work done by **B. Ruchitha - 20X01A0453, G. Gayathri - 20X01A0466, P. Swathi-20X01A0485, N. Ranavika-21X01A0431, T. Akshitha- 21X01A0436,** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **Electronics and Communication Engineering**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 2023-2024.


Project Guide

Mr. K. Karthik

Assistant Professor,
Department of Electronics and Communication
Engineering,
NARSIMHAREDDY ENGINEERING COLLEGE


Head of the Department

Dr. K. Purshotham Prasad

Professor & HOD,
Department of Electronics and Communication
Engineering,
NARSIMHAREDDY ENGINEERING COLLEGE

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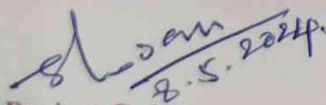
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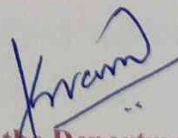
This is to certify that the major project report entitled "**IOT SOLUTIONS FOR SMART CITIES:GABAGE DUSTBIN MANAGEMENT SYSTEM**" is the bonafide work done by **Kotla Sai Kiran - 20X01A0470, Naramala Ankoji - 20X01A0477, Dhamugatla Sujith Kumar Reddy 20X01A0461, Sanjannagari Aravind Reddy - 21X05A0432**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 2023-2024.


8.5.2024

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Dr.M.Shoban

Associate Professor,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

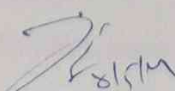


Head of the Department

Dr. K. Purushotham Prasad

Head of Department,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:


External Examiner



NARSIMHA REDDY ENGINEERING COLLEGE
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CERTIFICATE

is is to certify that the major project report entitled **“IOT BASED FOREST FIRE DETECTION AND CONTROL SYSTEM”** is the bonafide work done by **P. Suryaakash Reddy - 21X05A0427, D. Lokesh Kumar - 20X01A0462, T. Anand Sai Kumar - 20X01A0491, K. Ruthvik - 20X01A0467**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Secunderabad, during the academic year 2023-2024.

Project Guide

Mr. K. Suresh

Asst Professor,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Head of the Department

Dr. K. Purushotham Prasad

Head of Department,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:

External Examiner



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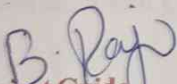
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Department of Electronics and Communication Engineering




CERTIFICATE

This is to certify that the major project report entitled **“RFID BASED TOLL BOOTH AUTOMATION”** is the bonafide work done by **V . Gouthami-20X01A0449, E . Laya-20X01A0463, B . Swarnalatha-20X05A0484, B . Vaishnavi-20X01A0488, S . Tejaswini-21X05A0434** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 2023-2024.

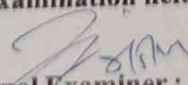

Project Guide

Mr . B . Raju M. Tech
Assistant Professor
Department of ECE ,
NARSIMHA REDDY
ENGINEERING COLLEGE,
Maisammaguda, Kompally, Secunderabad.


Head of the Department

Dr . K . Purushotham Prasad
Professor & Head
Department of ECE ,
NARSIMHA REDDY
ENGINEERING COLLEGE ,
Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:


External Examiner :



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This is to certify that the major project report entitled **“MOVEMENT BASED VOICE ENABLED DEVICE SWITCHING AND BASIC NEEDS FOR PHYSICALLY CHALLENGED ”** is the bonafide work done by **Bandi Bhavishya - 20X01A0455, Kothamasu Anusha - 20X01A0469, Madhavareddy gari Nichitha - 20X01A0475, Kuncham Sai Praharsha - 21X05A0421**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 2023-2024.


Project Guide

Mrs. M. JayaSri

Assistant Professor,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.


Head of the Department

Dr. K. Purushotham Prasad

Head of Department,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:

External Examiner



NARSIMHA REDDY ENGINEERING COLLEGE
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This is to certify that the Major Project report entitled **“ENERGY- SAVING SYSTEM FOR CLASSROOM BASED ON CAMPUS CARD”** is the bonafide work done by **V. Ajay Reddy - 20X01A0448, K. Surya Naresh - 20X01A0471, CH. Harish Rao - 20X01A0489, M. Anand - 21X05A0422**, in partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 2023- 2024.

V. Naga Lakshmi
Project Guide

Mrs. V. Naga Lakshmi

Assistant Professor, Department of
ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

K. Purushotham Prasad

Head of the Department

Dr.K.Purushotham Prasad

Professor & Head,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:

[Signature]
External Examiner



NARSIMHA REDDY ENGINEERING COLLEGE
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This is to certify that a Major project report entitled **“Dam Level Monitoring And Controlling over IOT”** is the bonafide work done by **CH. Harshitha-20X01A0457, P. Poojitha-20X01A0481, M. Harika- 21X05A0423, P. Harika-21X05A0428**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Electronics And Communication Engineering**, from Jawaharlal Nehru Technological University Hyderabad, during the Academic year 2020-2024.

G. Bhagyalakshmi
Project Guide
Ms. G. Bhagyalakshmi M.Tech
 Assistant Professor,
 Department of Electronics and Communication
 Engineering
 NARSIMHAREDDY ENGINEERING COLLEGE

K. Purshotham Prasad
Head of the Department
Dr. K. Purshotham Prasad M.Tech Ph.D
 Professor & HOD
 Department of Electronics and Communication
 Engineering
 NARSIMHAREDDY ENGINEERING COLLEGE

Submitted for the viva-voice examination held on:

S. S. S. S.
External Examiner



NARSIMHA REDDY ENGINEERING COLLEGE
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Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana state, India

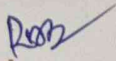
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This is to certify that the Major report entitled “**ATM SECURITY USING GSM AND MEMS TECHNOLOGY**” is the bonafide work done by **V . Sivarama krishnama Naidu - 20X01A0447, B . Araya Raj - 20X01A0454, D . Sathwik Sharma - 20X01A0460, N . Mahender Reddy - 20X01A0476**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the year 2023-2024.



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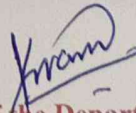
Dr. R. MURUGESAN Ph. D

Professor,

Department of Electronics and Communication Engineering

NARSIMHAREDDY ENGINEERING COLLEGE

Maisammaguda, Kompally, Secunderabad.



Head of the Department

Dr. K. PURUSHOTHAM PRASAD Ph. D

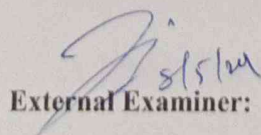
Professor & HOD,

Department of Electronics and Communication Engineering,

NARSIMHAREDDY ENGINEERING COLLEGE

Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:



External Examiner:



NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS INSTITUTION

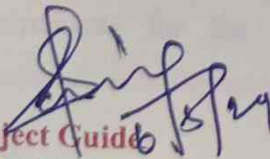
Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana state, India


Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project report entitled **“IoT Based Disaster Management And Monitoring System For Dams ”** is the bonafide work done by **A . Yugander - 20X01A0402 , S . Bharath Reddy - 20X01A0436, S . Sai Krishna - 20X01A0437 , S . Uttej - 20X01A0441,** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering,** from Jawaharlal Nehru Technological University Hyderabad, during the year 2020-2024.


Project Guide
Mr . G . Joy Sangeeth Raj
Assistant Professor,
Department of Electronics and Communication
Engineering,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.


Head of the Department
Dr . K . Purushotham Prasad
Professor & Head
Department of Electronics and Communication
Engineering
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad


External Examiner



NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS INSTITUTION

Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana state, India

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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This is to certify that the project report entitled "**Vehicle to Vehicle Communication Using CAN Protocol**" is the bonafide work done by **A. Nishanth - 20X01A0401, K. Shiva - 20X01A0419, S. Rammohan - 20X01A0435, K. Bhargav Yadav - 21X05A0418**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering**, from Jawaharlal Nehru Technological University Hyderabad, during the year 2020-2024.


Project Guide

Mr. Syed Sultan Mahmood

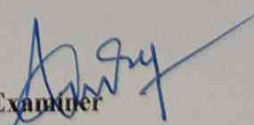
Assistant Professor,
Department of Electronics and Communication
Engineering,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.


Head of the Department

Dr. K. Purushotham Prasad

Professor & Head
Department of Electronics and Communication
Engineering
NARSIMHA REDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad

Submitted for the viva-voice examination held on:


External Examiner



NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS INSTITUTION

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CERTIFICATE

This is to certify that the Major Project report entitled "**AUTOMATIC CONTACTLESS SWITCH FOR SMART HOME**" is the bonafide work done by **J . Saiteja- 20X01A0416, K. Pavan Kumar Reddy- 20X01A0421, B . Mahesh- 21X05A0405, E . Tharun - 21X05A0410, G . Jayanth- 21X05A0413** in partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology** in **ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 2023-2024.

N. Nagalakshmi
Project Guide

Mrs. V. Naga Lakshmi

Assistant Professor,

Department of ECE,

NARSIMHAREDDY ENGINEERING
COLLEGE

Maisammaguda, Kompally,
Secunderabad.

K. Purushotham Prasad
Head of the Department

Dr.K.Purushotham Prasad

Professor & Head,

Department of ECE,

NARSIMHAREDDY ENGINEERING
COLLEGE

Maisammaguda, Kompally,
Secunderabad.

Submitted for the viva-voice examination held on:

External Examiner *[Signature]*



NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS INSTITUTION

Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana state, India

Department of Electronics and Communication Engineering



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CERTIFICATE

This is to certify that the major project report entitled "**AN ADVANCED ROBOT FOR MILITARY APPLICATIONS**" is the bonafide work done by **M. Sarvari Priya-20X01A0425**, **N.Navitha-20X01A0428**, **N. Sumalatha-20X01A0429**, **P.Navya-20X01A0431**, **K.Shushmitha-21X05A0420** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 2023-2024.

Project Guide

Mrs. K. Lakshmi M.Tech

Associate Professor

Department of ECE,

NARSIMHA REDDY

ENGINEERING COLLEGE,

Maisammaguda, Kompally, Secunderabad.

Head of the Department

Dr.K.Purushotham Prasad

Professor & Head

Department of ECE,

NARSIMHA REDDY

ENGINEERING COLLEGE,

Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:

External Examiner:

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This is to certify that the project report entitled “ **Design And Implementation Of Low Cost Web Based Human Health Monitoring System Using Raspberry PI**” is the bonafide work done by **Pippera Akanksha_20X01A0434, Sunkara Harshitha_20X01A0438, Sahukari Bhavani_20X01A0439, Sandi Anuhya_20X01A0440**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Electronics And Communication Engineering**, from Jawaharlal Nehru Technological University Hyderabad, during the year 20202024.

Mrs. M. Jayasri
Industrial Project Guide

Mrs. M.JAYASRI M.TECH

Assistant Professor,

Department of Electronics and Communication

Engineering, NARSIMHAREDDY

ENGINEERING COLLEGE

Maisammaguda, Kompally, Secunderabad.

Dr. K. Purushotham Prasad
Head of the Department

Dr K. PURUSHOTHAM PRASAD M.TECH,PHD

Professor & Head

Department of Electronics and Communication

Engineering, NARSIMHAREDDY

ENGINEERING COLLEGE

Maisammaguda, Kompally, Secunderabad.

Dr. K. Purushotham Prasad



NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS INSTITUTION

Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana state, India

Department of Electronics and Communication Engineering



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CERTIFICATE

This is to certify that the project report entitled "Implementation of spy robot for a surveillance system using internet protocol of raspberry pi" is the bonafide work done by Thota Uma Maheshwari-20X01A0442, Todeti Joshna-20X01A0443, Takkala Aishwarya-20X01A0444, Chilukuri Nithya-21X05A0407, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, from Jawaharlal Nehru Technological University Hyderabad, during the year 2020-2024.



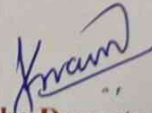
Project Guide

Mr. A Sachin

Assistant Professor.

Department of ECE,
NARSIMHA REDDY ENGINEERING COLLEGE

Maisammaguda, Kompally, Secunderabad.



Head of the Department

DR. K. Purushotham Prasad

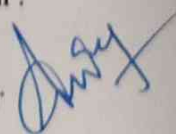
Professor & Head.

Department of ECE,
NARSIMHA REDDY ENGINEERING COLLEGE

Maisammaguda, Kompally, Secunderabad.

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External Examiner





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UGC AUTONOMOUS INSTITUTION

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Department of Electronics and Communication Engineering

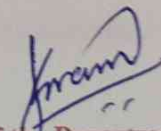


CERTIFICATE

This is to certify that the major project report entitled **“VEHICLE ACCIDENT DETECTION AND AUTOMATIC REMOTE ALARAM DEVICE”** is the bonafide work done by **B . Rakesh-20X01A0403, G . Ajay kumar-20X01A0413, A . Krishna-21X05A0402, A . Bharadwaj-21X05A0404** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 2023-2024.

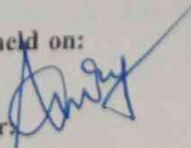

Project Guide

Mr . B . Raju M. Tech
Assistant Professor
Department of ECE ,
NARSIMHA REDDY
ENGINEERING COLLEGE,
Maisammaguda, Kompally, Secunderabad.


Head of the Department

Dr . K. Purushotham Prasad
Professor & Head
Department of ECE ,
NARSIMHA REDDY
ENGINEERING COLLEGE ,
Maisammaguda, Kompally, Secunderaba

Submitted for the viva-voice examination held on:

External Examiner: 



NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS INSTITUTION

Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana state, India

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This is to certify that the major project entitled **“ARDUINO BASED MEDICINEREMINDER AND VENDING MACHINE”** is the bonafidework done by **A. Manikanta – 21X05A0403, B. SAI CHARAN – 20X01A0404, K. ROHITH – 20X01A0422, U. RAM – 20X01A0445**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **Electronics and Communication Engineering**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 2023 – 2024.

Project Guide

Dr K. Purushotham Prasad

Head of the Department

Department of ECE

NARASIMHA REDDY ENGINEERING COLLEGE
COLLEGE

Maisammaguda, Kompally.

Head of the Department

Dr K. Purushotham Prasad M.Tech

Head of the Department

Department of ECE

NARASIMHA REDDY ENGINEERING

Maisammaguda, Kompally.

Submitted for the viva-voice examination held on:

External Examiner



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UGC AUTONOMOUS INSTITUTION

Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana state, India

Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the major project report entitled **“SMART AGRICULTURE SOLAR BASED WITH IOT ENABLED FOR CLIMATIC CHANGE AND FERTILIZATION OF SOIL”** is the bonafide work done by **B. Mounyasree-20X01A0405, B. Supriya-20X01A0406, K. Priyanka-20X01A0420, M. Soumya-20X01A0423, K. Asmitha-21X05A0419** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the academic year 2023-2024.

Project Guide

Dr. R. Murugesan

Professor

Department of ECE ,

NARSIMHA REDDY

ENGINEERING COLLEGE,

Maisammaguda, Kompally, Secunderabad.

Head of the Department

Dr. K. Purushotham Prasad

Professor & Head

Department of ECE ,

NARSIMHA REDDY

ENGINEERING COLLEGE ,

Maisammaguda, Kompally, Secunderabad.

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External Examiner :



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UGC AUTONOMOUS INSTITUTION

Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana state, India

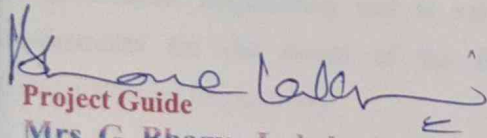
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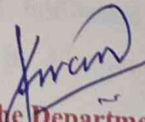
This is to certify that the project report entitled "Smart Farming System Using Iot For Efficient Crop Growth" is the bonafide work done by Chandana Teja - 20X01A0408, Mekala Mallikarjun Reddy - 20X01A0424, Gutta Bala Krishna - 20X01A0415, Bhukya Ashok - 21X05A0406, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, from Jawaharlal Nehru Technological University Hyderabad, during the year 2023-2024.



Project Guide

Mrs. G. Bhagya Lakshmi

Assistant Professor,
Department of Electronics and Communication
Engineering,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

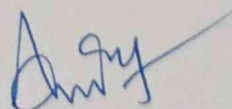


Head of the Department

Dr. K. Purushotham Prasad

Professor & Head
Department of Electronics and Communication
Engineering
NARSIMHA REDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad

Submitted for the viva-voice examination held on:



External Examiner



NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS INSTITUTION

Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana state, India

Department of ECE



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This is to certify that the Major project and Industrial training report entitled **“Tracking of People in Women Safety using Android”** is the bonafide work done by C. Naga Rohith Reddy, 21X05A0408, D. Manikanta, 20X01A0412, P. Sai Ajay, 20X01A0432, J. Shiva Kumar Reddy, 20X01A0417, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering**, from Jawaharlal Nehru Technological University Hyderabad, during the year 2020-2024.

Project Guide

Mr K. Karthik

Assistant Professor,
Department of ECE,
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Head of the Department

Dr K.Purushotham Prasad

Professor & Head
Department of ECE
NARSIMHAREDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad.

Submitted for the viva-voice examination held on:

External Examiner



NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS INSTITUTION

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Department of Electronics and Communication Engineering



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CERTIFICATE

This is to certify that the project report entitle "Safety System for Mine Workers in heavy industries" is the bonafide work done by **B.Rohith-20X01A0407**, **Ch.Tejaswanth -20X01A0409**, **M.Yogeshwar-20X01A0426**, **D.SaiTeja-21X05A0409**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in Electronics and Communication Engineering**, from Jawaharlal Nehru Technological University Hyderabad, during the year 2020-2024

Project guide

Mr.NareshChary,M.Tech

Assitant Professor,

Department of Electronics and

Communication Engineering,

NARSIMHAREDDY ENGINEERING

COLLEGE

Maisammaguda,Kompally,secunderabad.

Head of the Department

Dr.K.Purushotham Prasad

Professor & Head,

Department of Electronics and

Communication Engineering,

NARSIMHAREDDY ENGINEERING

COLLEGE

Maisammaguda,Kompally,Secunderabad.

Submitted for the viva-voice examination held on:

EXTERNAL EXAMINER:

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UGC AUTONOMOUS INSTITUTION

Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana state, India

Department of ECE



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CERTIFICATE

This is to certify that the Major project report entitled “**Borewell child rescue system**” is the bonafide work done by **D.Sisindri, 20X01A0410, G.Akshay ,21X05A0412, A.ajay,21X05A0401, G.Madhukar,20X01A0414, D.Saicharan,20X01A0411** in,partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electronics and communication engineering, from Jawaharlal Nehru Technological University Hyderabad, during the year 2020-2024.

G. spica sujeetha
Project Guide 8/24

G.SPICA SUJEETHA M.TECH
Department of ECE
NARSIMHA REDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad

[Signature]
Head of the Department

DR.K.M.PURUSHOTTAM PRASAD
Department of ECE
NARSIMHA REDDY ENGINEERING COLLEGE
Maisammaguda, Kompally, Secunderabad

[Signature]



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UGC AUTONOMOUS INSTITUTION

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CERTIFICATE

This is to certify that the major project report entitled **"SMARTPHONE CONTROLLED PROGRAMMABLE ROBOTIC ARM USING ARDUINO"** is the bonafide work done by **N. Harshitha Reddy - 20X01A0427, G. Divya - 21X05A0411, G. Leenasri - 21X05A0414, K. Sandhya Rani - 21X05A0417**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the Academic year 2023-2024.


Project Guide

Mr. A. Srinivas

Assistant Professor,

Department of ECE ,

NARSIMHAREDDY

ENGINEERING COLLEGE,

Maisammaguda, Kompally, Secunderabad.


Head of the Department

Dr. K. Purushotham Prasad

Professor & Head,

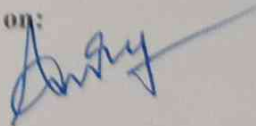
Department of ECE ,

NARSIMHAREDDY

ENGINEERING COLLEGE ,

Maisammaguda, Kompally, Secunderabad.

Submitted for the viva - voce examination held on:

External Examiner : 



NARSIMHA REDDY ENGINEERING COLLEGE
UGC AUTONOMOUS INSTITUTION

Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana state, India

Department of
Electronics and Communication Engineering



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CERTIFICATE

This is to certify that the project report entitle “ **INTELLIGENT BORDER SECURITY INTRUSION DETECTION AND AUTO DESTROY SYSTEM USING IOT**” is the bonafide work done by **K . ARAVIND - 20X01A0418, P . ARAVIND REDDY - 21X05A0415, G . CHANDU - 21X05A0415, J . SHASHANK- 21X05A0416**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **ELECTRONICS AND COMMUNICATION ENGINEERING**, from Jawaharlal Nehru Technological University Hyderabad, during the year 2020-2024.

Project Guide

N. PAVITHRA M. Tech (Ph D)

Assistant Professor,

Department of ECE ,

NARSIMHAREDDY ENGINEERING COLLEGE

Maisammaguda, Kompally, Secunderabad.

Head of the Department

Dr.K.PURUSHOTHAM PRASAD M. Tech, Ph D

Professor & HOD,

Department of ECE,

NARSIMHAREDDY ENGINEERING COLLEGE

Maisammaguda, Kompally, Secunderabad.