

A project report on
**A Hybrid Technique for Underwater Image Enhancement Using
UWB And LOG Filter**

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

YERUKULA SRIRAM SAI KUMAR
(20U41A0413)

**APPANA PREM VASANTH
KUMAR**
(20U41A0416)

**TAMARANA
RAMA GANESH**
(20U41A0418)

**ADARI
PRUDHVI**
(20U41A0427)

Under the Esteemed guidance of

Dr. P. Poorna Priya

HOD, Department of ECE



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
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(2020-2024)



DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "A Hybrid Technique for Underwater Image Enhancement Using UWB and LOG filter" submitted by Y. Sriram sai kumar (20U41A0413), A. Prem Vasanth kumar (20U41A0416), A. Prudhvi (20U41A0427), T. Rama Ganesh (20U41A0418). In partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

P. Poornima ^{19/0}
23/4/24
PROJECT GUIDE

P. Poornima ^{19/0}
23/4/24
HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg.
Dadi Institute of Engg. & Tech
Anakapalle-521002


EXTERNAL EXAMINER

A project report on
Automated Attendance System Based On Face Recognition
Using Raspberry Pi

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

Raavi Jayanthi

**Medapati Ambica
Jayasri**

Marapudi Pranusha

(20U41A0469)

(21U45A0411)

(20U41A0472)

Under the Esteemed guidance of

Dr. P Poorna Priya

Assistant Professor, Department of ECE



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ENGINEERING**

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(2020-2024)



DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING
CERTIFICATE

This is to certify that the project report entitled "Automated Attendance System Based on Face Recognition Using Raspberry pi" submitted by R. Jayanthi (20U41A0469), M. Jayasri (21U45A0411), M. Pranusha (20U41A0472). In partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in **Electronics & Communication Engineering**, from Dadi Institute of Engineering & Technology (A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is our record of Bonafede work carried out by them under my guidance and supervision.

P. Poorna Priya
Dr. P Poorna Priya 25/4/24

PROJECT GUIDE

P. Poorna Priya
Dr. P Poorna Priya 25/4/24

HEAD OF THE DEPARTMENT

Electronics & Communication Engg
Dadi Institute of Engg. & Tech
Anakapalle-531002

EXTERNAL EXAMINER

A project report on
**A Novel Hybrid Image inpainting Technique for Old
Photographs**

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

P. Kalyan
(21U45A0421)

P. Kartik
(21U45A0412)

CH. Kiran Kumar
(20U41A0471)

Under the Esteemed guidance of

Dr. A. Nalinee Kumari

Assistant professor, Department of ECE



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(2020-2024)

ACKNOWLEDGMENT

We would like to thank the faculty members of the Department of Electronics and Communication Engineering, Dadi Institute of Engineering & Technology, for their guidance and assistance throughout the project. We also thank the friends and family members for their support and encouragement during the project.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "A Novel Hybrid Image Inpainting Technique for Old Photographs" submitted by P. Kalyan (21U45A0421) , P. Kartik (21U45A0412) , CH. Kiran (20U41A0471) . In partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electronic & Communication Engineering, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

PROJECT GUIDE

P. Poornima *25/4/24*
HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg
Dadi Institute of Engg. & Tech
Anakapalle-531002

EXTERNAL EXAMINER

A project report on
**Tamperproof Smart Water System with Authentication
using Raspberry Pi**

Submitted in partial fulfilment of the requirements for award of the degree of
BACHELOR OF TECHNOLOGY

In
ELECTRONICS AND COMMUNICATION ENGINEERING

By
B. Jayanth
(21U45A0401)

K. Nikil
(20U41A0468)

B. Mohan Kiran
(20U41A0456)

Under The Esteemed Guidance Of

Dr. B. Anjaneer Kumar

Associate Professor, Department of ECE



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(2020-2024)



DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING
CERTIFICATE

This is to certify that the project report entitled “**Tamperproof Smart Water System with Authentication using Raspberry Pi**” submitted by B. Jayanth(21U45A0401), K. Nikil (20U41A0468) , B. Mohan Kiran(20U41A0456), in partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronics and Communication Engineering**, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

Chand

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P. Poome mipo 25/4/24
HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg
Dadi Institute of Engg. & Tech
Anakapalle-531002

K. Babuly 04/05/24
EXTERNAL EXAMINER

A project report on

SMART HELMET

IMPLEMENTATION USING GSM MODULE

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

Y. Harish Kumar
(21U45A0422)

E. Manohar
(21U45A0419)

B. Syamjay
(20U41A0474)

Under the Esteemed guidance of
Mr. Ch. Ramana Babu
Assistant Professor, Department of ECE



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(2021-2024)



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ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled **Smart Helmet Implementation using GSM Module** submitted by Y. Harish (21U45A0422), E. Manohar (21U45A0419), B. Syamjay (20U41A0474). In partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronic and Communication Engineering**, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of Bonafede work carried out by them under my guidance and supervision.

Ch. Lakshmi
PROJECT GUIDE

P. Poornima
HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg.
Dadi Institute of Engg. & Tech
Anakapalle-531002

K. Babu
EXTERNAL EXAMINER
04/05/24

A project report on
BLOOD CELL COUNTING USING WATERSHED SEGMENTATION
Submitted in partial fulfilment of the requirements for award of the degree of
BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

K. Divyasree
(20U41A0419)

D. Shanmukha Naidu
(20U41A0444)

K. Ajith kumar
(20U41A0434)

Under the Esteemed guidance of

Mrs. D. L. Mythri ,Dy.HOD

Assistant professor, Department of ECE



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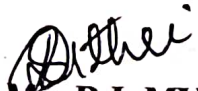
(2020-2024)




**DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled “Blood cell counting using watershed segmentation” submitted by K. Divyasree (20U41A0419), D. Shanmukha Naidu (20U41A0444), K. Ajith Kumar (20U41A0434). In partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electronics & Communication Engineering, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.


Mrs.D.L.MYTHRI
(Assistant professor)
Project Guide,Dy.HOD


Dr.P.POORNA PRIYA
(Associate professor)
(Head of the department)
Head of the Department
Electronics & Communication Engg.
Dadi Institute of Engg. & Tech
Anakapalle-531002


EXTERNAL EXAMINER

A project report on
**Vehicle Anti-Theft Face Recognition based Car
Ignition System using Arduino**

Submitted in partial fulfilment of the requirements for award of the degree of
BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

Bandaru Akhila

(20U41A0411)

Mathala Vijaya

(20U41A0405)

Konthala Manoj Babu

(20U41A0447)

Under the Esteemed guidance of

Ms.Sk.Shabeena.,M.Tech (Ph.D)

Assistant Professor, Department of ECE



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ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled "Vehicle Anti-Theft Face recognition based Car Ignition system using Arduino" submitted by B.Akhila(20U41A0411), M.Vijaya(20U41A0405), K.Manoj Babu (20U41A0447). In partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

Ms.SK.SHABEENA

(ASSISTANT PROFESSOR)

PROJECT GUIDE

P. Poornima 23/4/24

P. POORNA DEVIYA

Department

Electronics & Communication Engg.

(ASSOCIATE PROFESSOR)

Dadi Institute of Engg. & Tech

Anakapalle-531002

HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER

A project report on

Pest detection in plants using image processing techniques

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

A.Yaswanthini

(20U41A0401)

P.Preethi

(20U41A0415)

V.Rohith

(20U41A0412)

B.Nani Avinash Ratna

(20U41A0441)

Under the Esteemed guidance of

Dr.K.Parvathi

(Senior Professor, Department of ECE)



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(2020-2024)




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ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled “Pest detection in plants using Image processing techniques” submitted by Adari Yashwanthini(20U41A0401), Peddala Preethi (20U41A0415), Varre Rohith(20U41A0412), B.Nani Avinash(20U41A0441).In partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electronics & Communication Engineering, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.


Dr.K.Parvathi
PROJECT GUIDE

Head of Department
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Dadi Institute of Engg. & Tech
P. P. Anakapalle-531002
Dr. P. Poorna Priya
HEAD OF DEPARTMENT
23/4/24


EXTERNAL EXAMINER

A project report on

Deep Learning-Based Human Activity Recognition for Classroom Surveillance to Prevent Copying

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

**ADARI KUSUMA
(20U41A0421)**

**VEYYIDHALAMULA BALAJI
(20U41A0432)**

**MAMIDI MOUNIKA
(20U41A0430)**

Under the Esteemed guidance of

Mrs. B T Archana

Assistant professor, Department of ECE



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ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "Deep Learning-Based Human Activity Recognition for Classroom Surveillance to Prevent Copying" submitted by A.Kusuma (20U41A0421), V.Balaji (20U41A0432), M.Mounika (20U41A0430), In partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electronics & Communication Engineering, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

Acharya
PROJECT GUIDE

P. Poorna 22/4/24
HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg.
Dadi Institute of Engg. & Tech
Anakapalle-531002

[Signature]
EXTERNAL EXAMINER
II

A project report on
Self Driving Car using Road Lane detection

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

Palla Rohit

(20U41A0440)

Saragadam Parnitha

(20U41A0422)

Nemalapuri Praveen Kumar

(20U41A0428)

Under the Esteemed guidance of

Mr.A.Sankara Rao, M.Tech

Assistant Professor, Department of ECE



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(2020-2024)



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ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**Self Driving Car using Road lane Detection**" submitted by Saragadam parnitha (20U41A0422), Nemalapuri Praveen Kumar (20U41A0428), Palla Rohit (20U41A0440). In partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

A. Sankara Rao
Mr.A.SANKARA RAO
(ASSISTANT PROFESSOR)
PROJECT GUIDE

P. Poorna Priya
Dr.POORNA PRIYA *23/4/24*
(ASSOCIATE PROFESSOR)
HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg.
Dadi Institute of Engg. & Tech
Anakapalle-531002

[Signature]
EXTERNAL EXAMINER

A project report on
DENSITY-BASED AND EMERGENCY VEHICLE TRAFFIC CLEARANCE
OVER IoT

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

Rangu Rajashekar
(20U41A0431)

Patnala Deepak
(20U41A0438)

Pithani Murari
(20U41A0436)

Under the Esteemed guidance of

Mr. R Suneel Kumar

Assistant Professor, Department of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
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(2020-2024)



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ELECTRONICS & COMMUNICATION ENGINEERING
CERTIFICATE

This is to certify that the project report entitled “**DENSITY-BASED AND EMERGENCY VEHICLE TRAFFIC CLEARANCE OVER IoT**” submitted by Rangu Rajashekar (20U41A0431), Patnala Deepak(20U41A0438), Pithani Murari (20U41A0436). In partial fulfillment of the requirements for the award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

Mr.R.SUNEEL KUMAR
(ASSISTANT PROFESSOR)
PROJECT GUIDE

P-Poorna Priya 22/4/24
Dr. P.POORNA PRIYA
Head of the Department
(ASSISTANT PROFESSOR)
Electronics & Communication Engg.
HEAD OF THE DEPARTMENT
Dadi Institute of Engg. & Tech
Anakapalle-531002

EXTERNAL EXAMINER

A project report on

Headgear Vision System For Object And Danger Road Signs Detection Using Arduino

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

A.Roopa Devi
20U41A0407

M.Deepthi
20U41A0403

V.Mounika Sai
20U41A0437

Under the Esteemed guidance of

Dr.B.Anjaneer Kumar

Associate Professor, Department of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
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(2020-2024)



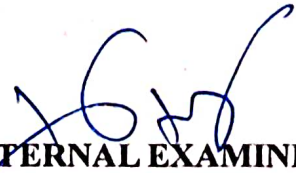
DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING
CERTIFICATE

This is to certify that the project report entitled “**Headgear Vision system for object and danger road signs detection using Arduino**” submitted by A. Roopa Devi (20U41A0407), M. Deepthi (20U41A0403), V. Mounika Sai (20U41A0437). In partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.


DR.B.ANJANEER KUMAR
(ASSOCIATE PROFESSOR)
PROJECT GUIDE


DR.P.POORNA PRIYA
(ASSOCIATE PROFESSOR)

HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg.
Dadi Institute of Engg. & Tech
Anakapalle-531002


EXTERNAL EXAMINER

A project report on
Sign Detection for Deaf & Dumb People using ML & AI

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

G. Sunil Kumar
(20U41A0423)

P. Siva Durga Mani Teja
(20U41A0449)

A. Sai Teja
(20U41A0429)

Under the Esteemed guidance of

MR. S.Veerraju [M.TECH]

Assistant Professor, Department of ECE



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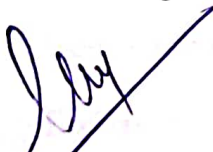
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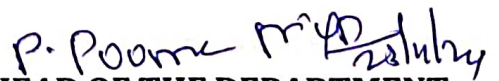


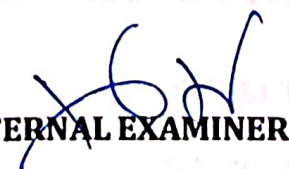
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ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled "**Sign Detection for Deaf & Dumb People using ML & AI**" submitted by G. Sunil Kumar (20U41A0423), P. Siva Durga Mani Teja (20U41A0449), A. Sai Teja (20U41A0429). In partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from **Dadi Institute of Engineering & Technology(A)**, Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.


PROJECT GUIDE


HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg.
Dadi Institute of Engg. & Tech
Anakapalle-531002


EXTERNAL EXAMINER

A project report on

Intelligent Monitoring of water for Safe Drinking over IOT and GSM

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

D.Dalya ram

(21U45A0402)

P.Shankar Yashwanth

(20U41A0461)

G.Poorna chandra

(20U41A0465)

Under the Esteemed guidance of

Mrs G.Siva Kumari ,M.Tech

Assistant Professor, Department of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
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14001:2015 & ISO 45001:2018 Certified Institute.

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

(2020-2024)



DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING
CERTIFICATE

This is to certify that the project report entitled “**Intelligent Monitoring of water for Safe Drinking over IOT and GSM**” submitted by **D.Dalya Ram (21U45A0402)**, **P. Shankar Yashwanth(20U41A0461)**, **P.Poorna Chandra (20U41A0465)**, in partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from **Dadi Institute of Engineering & Technology(A)**, Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

G. Srekeemari
PROJECT GUIDE

P. Poorna M 28/4/24
HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg
Dadi Institute of Engg. & Tech
Anakapalle-531002

K. Babu 04/05/24
EXTERNAL EXAMINER

A project report on

Sign Language Prediction Using Multi Layered CNN for Deaf & Dumb

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

A.Soma Sai Satish
(21U45A0416)

T. Sandhya Sri
(20U41A0454)

J. S. S. Monika
(20U41A0467)

Under the Esteemed guidance of

Dr. A. Nalinee Kumari

Associate professor , Department of ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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NH-16, Anakapalle - 531002, Visakhapatnam, A.P.

(2020-2024)



DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project report entitled “**Sign Language Prediction Using By Multi Layered CNN For Deaf & Dumb**” submitted by A. Soma Sai Satish (21U45A0416), T. Sandhya Sri(20U41A0454) J. S. S. Monika (20U41A0467). In partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

A. Nalini

PROJECT GUIDE

P. Poornima *22/4/24*

HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg
Dadi Institute of Engg. & Tech

EXTERNAL EXAMINER

PROJECT ASSOCIATE

A project report on
Transferring data using a Visible Light

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

Bammidi Akhila

(21U45A0409)

**Talluri Vamsi
Krishna**

(21U45A0414)

**Lakkoju Verrendra
Sai**

(20U41A0452)

Under the Esteemed guidance of

Mrs. D L Mythri

Assistant Professor, Department of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

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NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

(2020-2024)



**DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled “**Transferring data using a Visible light**” submitted by Bammidi Akhila (21U45A0409), Talluri Vamsi Krishna (21U45A0414), Lakkoju Veerendra Sai (20U41A0452). In the partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electronics & Communication Engineering, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with ‘A’ grade is a record of bonafide work carried out by them under my guidance and supervision.

B. Akhila

PROJECT GUIDE

P. Poome 21/5/24
HEAD OF THE DEPARTMENT

Head of the Department
Electronics & Communication Engg
Dadi Institute of Engg. & Tech
Anakapalle-531002

EXTERNAL EXAMINER

A project report on

An Adaptive Approach To Enhance Low-Illumination Images

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

K . Vamsi
(21U45A0413)

V . Siva Krishna
(21U45A0418)

Md. Hassain Akram
(20U41A0457)

Under the Esteemed guidance of

Mrs. BT Archana

Assistant Professor, Department of ECE



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NH-16, Anakapalle - 531002, Visakhapatnam, A.P.

(2020-2024)



DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING
CERTIFICATE

This is to certify that the project report entitled “An Adaptive Approach To Enhance Low-Illumination Images ” submitted by K .Vamsi(21U45A0413) , V. Siva Krishna (21U45A0418) , MD. Hussain Akram (20U41A0457) . In partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electronics and Communication Engineering, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

Asehang
PROJECT GUIDE

K. Babuly 04/05/24
EXTERNAL EXAMINER

P. Poorna 25/4/24
HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg
Dadi Institute of Engg. & Tech
Anakapalle-531002

SA project report on
**Multi Connected Remote Access Health Monitoring System
Utilizing IOT**

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

BACHELOR OF TECHNOLOGY
In
ELECTRONICS & COMMUNICATION ENGINEERING

By

KANDREGULA SANJANA

(20U41A0408)

MADETI NAVEENA

(20U41A0426)

K.S.N.SAI ABHISHEK

(20U41A0446)

Under the Esteemed guidance of

Dr.A. Nalinee Kumari

R&D Coordinator, Department of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

(2020-2024)



**DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled "Multi Connected Remote Access Health Monitoring System Utilizing IOT" submitted by K. Sanjana (20U41A0408), M. Naveena (20U41A0426), K.S.N. Sai Abhishek (20U41A0446), In partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in Electronics & Communication Engineering, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

PROJECT GUIDE

P. Poorna *mip* 23/4/24
HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg.
Dadi Institute of Engg. & Tech
Anakapalle-531002

EXTERNAL EXAMINER

A project report on
**SMART WASTE SEGREGATION AND MONITORING
SYSTEM USING IOT**

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

G. Hemanth Sateesh Kumar
(21U45AO404)

T. Pratyusha
(20U41AO451)

N. Shalini
(21U45A0420)

Under the Esteemed guidance of

Dr. B. Anjaneer Kumar

Associate professor, Department of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
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NH-16, Anakapalle - 531002, Visakhapatnam, A.P.
(2021-2024)



DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING
CERTIFICATE

This is to certify that the project report entitled “Smart Waste Segregation and Monitoring System” submitted by G. Hemanth Sateesh Kumar(21U45A0404),T. Pratyusha(20U41A0451), N. Shalini(21U41A0420).In partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electronic and Communication Engineering, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

Kumar
PROJECT GUIDE

P. Poornima
HEAD OF THE DEPARTMENT
Electronics & Communication Engg
Dadi Institute of Engg. & Tech
Anakapalle-531002

K. Babulu
EXTERNAL EXAMINER
04/05/24

A project report on

MEAN EYE DISTANCE BASED DROWSINESS DETECTION USING VIOLA JONES ALGORITHM

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

G . Poornima
(21U45A0408)

Y. Janardhan
(21U45A0406)

T. Ramya
(20U41A0453)

Under the Esteemed guidance of

Mr. KSNV Someswara Rao M.Tech

Assistant Professor, Department of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
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NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

(2020-2024)



DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING
CERTIFICATE

This is to certify that the project report entitled “Mean Eye Distance Based Drowsiness Detection Using Viola Jones Algorithm” submitted by G.Poornima (21U45A0408), Y.Janardhan (21U45A0406), T.Ramya (20U41A0453). In partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from **Dadi Institute of Engineering & Technology(A)**, Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

K. Somesh
PROJECT GUIDE

P. Poornima
HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg
Dadi Institute of Engg. & Tech
Anakapalle-531002

K. Babu
EXTERNAL EXAMINER
04/05/24

A project report on
**Elevating safety with advanced marine
detection and warning system**

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

Dasari Gayatri

(21U45A0410)

Kotapadu srinu

(20U41A0464)

Mediboyina vamsi

(20U41A0463)

Under the Esteemed guidance of

Mr. R Suneel Kumar (M.Tech)

Assistant Professor, Department of ECE



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NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

(2020-2024)



**DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled “Elevating safety with advanced marine detection and warning system” submitted by Dasari Gayatri (21U45A0410), Kotapadu Srinu (20U41A0464), Medaboyina Vamsi (20U41A0463). In partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from **Dadi Institute of Engineering & Technology(A)**, Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

**Mr. R. Suneel Kumar
PROJECT GUIDE**

HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg
Dadi Institute of Engg. & Tech
Anakapalle-531002

EXTERNAL EXAMINER

A project report on

Color Image Enhancement by using ROPE

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

G.Syamala

(21u45a0407)

K.Sumithra

(21u45a0417)

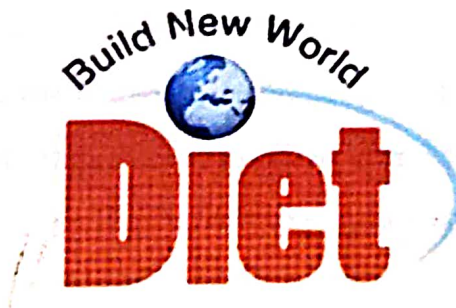
B.Jyotsna

(20u41a0459)

Under the Esteemed guidance of

Mr.S.Verraju

Assistant Professor, Department of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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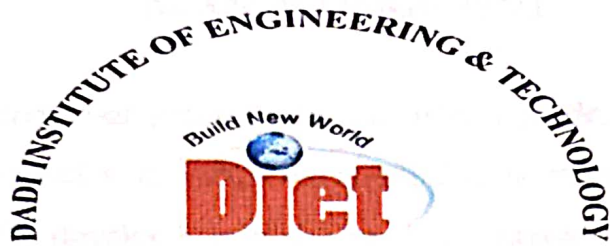
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(2020-2024)



DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING
CERTIFICATE

This is to certify that the project report entitled “Color Image Enhancement by using ROPE ” submitted by G. Syamala (21u45a0407), K. Sumithra. (21u45a0417), B. Joshna (20u41a0459). In partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from **Dadi Institute of Engineering & Technology(A)**, Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

S. Veerayya
PROJECT GUIDE

P. Poornima
HEAD OF THE DEPARTMENT

Head -
Electronics & Communication Engg
Dadi Institute of Engg. & Tech
Anakapalle-531002

EXTERNAL EXAMINER

A project report on
**RASPBERRY PI BASED WEATHER REPORTING
OVER IOT**

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

B.JHANSI
(21U45A0405)

P.V.S.N.REDDY
(20U41A0455)

B.JYOTSNA
(20U41A0470)

Under the Esteemed guidance of

Ms. Sk. SHABEENA., M.Tech(Ph.D)

Assistant professor, M.Tech, Department of ECE



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
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NH-16, Anakapalle-531002, Visakhapatnam, A.P.

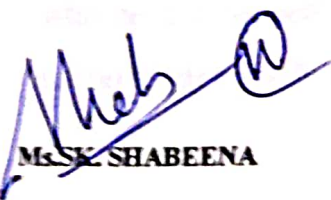
(2020-2024)



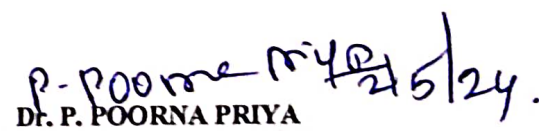
**DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled "RASPBERRY PI BASED WEATHER REPORTING OVER IOT" submitted by B.JHANSI(21U45A0405), B.JYOTSNA (20U41A0470) and P.V.S.N.REDDY (20U41A0455). In partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electronics & Communication Engineering, from Dadi Institute of Engineering & Technology (A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.


MS. S. SHABEENA
(ASSISTANT PROFESSOR)

PROJECT GUIDE


DR. P. POORNA PRIYA
(PROFESSOR)

HEAD OF THE DEPARTMENT

Head of the Department
Electronics & Communication Engg.
Dadi Institute of Engg. & Tech
Anakapalle-531002

EXTERNAL EXAMINER

A Project Report on
**ARDUINO BASED VEHICLE ACCIDENT ALERT
SYSTEM USING GPS , GSM MODULES AND MEMS
ACCELEROMETER**

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

P.SYAMA
(20U41A0473)

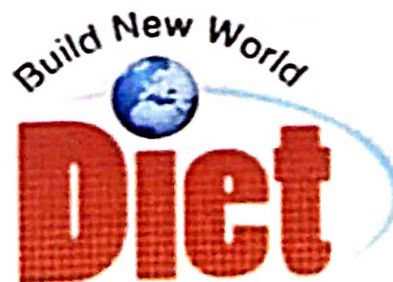
V.NAGENDRA
(21U45A0415)

P.JAIDEEP
(20U41A0458)

Under the Esteemed guidance of

Mr. A. Sankara Rao

Assistant Professor, Department of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
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NH-16, Anakapalle - 531002, Visakhapatnam, A.P.
(2020-2024)



**DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled “ARDUINO BASED VEHICLE ACCIDENT ALERT SYSTEM USING GPS , GSM MODULES AND MEMS ACCELEROMETER” submitted by P.Syama(20U41A0473), V.Nagendra (21U45A0415), P.Jaideep(20U41A0458).In partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electronics & Communication Engineering, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

A. Saunmy & Co -
PROJECT GUIDE

P. Poornima ^{25/4/24}
HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg
Dadi Institute of Engg. & Tech
Anakapalle-531002

K. Babu ^{04/05/24}
EXTERNAL EXAMINER

project report on

Virtual Health Assistance using Medical Computer Vision

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

Chatti Divya

(20U41A0406)

Dannina Navya

(20U41A0424)

Satyala Sai Srujana

(20U41A0435)

Under the Esteemed guidance of

Dr A. Nalinee Kumari

Assistant Professor, Department of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(AN AUTONOMOUS INSTITUTE)

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NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

(2020-2024)



**DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled “**Virtual Health Assistant using Medical Computer Vision**” submitted by Chatti Divya (20U41A0406), Dannina Navya (20U41A0424), Satyala Sai Srujana (20U41A0435). In partial fulfillment of the requirements for the award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

A. nahu
PROJECT GUIDE

P. Pooma
Head of the Department
Electronics & Communication Engg.
Dadi Institute of Engg. & Tech.
Anakapalle-531002
M/fo 23/4/24
HEAD OF THE DEPARTMENT

[Signature]
EXTERNAL EXAMINER

A project report on
Face Recognition Door Lock System Using Raspberry Pi

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

Karanam Akhil
(20U41A0409)

Nandana Sai Kumar
(20U41A0450)

Botta Bhanu Lokesh
(20U41A0425)

Under the Esteemed guidance of

Mrs. G. Siva Kumari M. Tech

Assistant Professor, Department of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
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NH-16, Anakapalle – 531002, Visakhapatnam, A.P.
(2020-2024)



**DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled “Face Recognition Door Lock System Using Raspberry Pi” submitted by Karanam Akhil (20U41A0409), Nandana Sai Kumar Goud (20U41A0450), Botta Bhanu Lokesh (20U41A0425). In partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

G. Siva Kumari
PROJECT GUIDE

P. Poornima 23/4/24
HEAD OF THE DEPARTMENT
Head of the Department
Electronics & Communication Engg.
Dadi Institute of Engg. & Tech
Anakapalle-531002

[Signature]
EXTERNAL EXAMINER

A project report on

**Distance Estimation based on Stereo Disparity Map for
Autonomous Driver Less Vehicles using MatLab**

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

**Alajangi Bargavi
20U41A0417**

**Galla Vahini Krishna
20U41A0442**

**Tulagapu Vinay
20U41A0439**

Under the Esteemed guidance of

Mr.K.S.N.V. Someswara Rao

Associate Professor, Department of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(AN AUTONOMOUS INSTITUTE)

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU GV)

Accredited by NAAC with 'A' Grade and Inclusion u/s 2(f) & 12(B) of UGC Act

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.


(2020-2024)



DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "Distance Estimation based on Stereo Disparity Map for Autonomous Driver Less Vehicles using MatLab" submitted by Alajangi Bargavi (20U41A0417), Galla Vahini Krishna (20U41A0442), Tulagapu Vinay (20U41A0439).. In partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electronics & Communication Engineering, from Dadi Institute of Engineering & Technology(A), Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.


Mr.K.S.N.V. Someswara Rao
(Assistant Professor)

PROJECT GUIDE

Head of the Department
Electronics & Communication Engg.
Dadi Institute of Engg. & Tech
Anakapalle-531002
P. Poorna Priya 23/4/24
Dr. P. Poorna Priya
(Associate Professor)

HEAD OF THE DEPARTMENT


EXTERNAL EXAMINER

A project report on
Car Theft Prevention with Geo-Fencing

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

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

K. Revanth
(20U41A0420)

B. Meghana
(20U41A0402)

B. Kusuma
(20U41A0445)

Under the Esteemed guidance of

Mr.CH.RAMANA BABU M.Tech.,(Ph.D)

Assistant Professor, Department of ECE



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
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ELECTRONICS & COMMUNICATION ENGINEERING**

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This is to certify that the project report entitled “**Car Theft Prevention with Geo-Fencing**” submitted by k. Revanth (20U41A0420), B. Meghana (20U41A0402), B. Kusuma (20U41A0445). In partial fulfilment of the requirements for award of the Degree of **Bachelor of Technology in Electronics & Communication Engineering**, from **Dadi Institute of Engineering & Technology(A)**, Anakapalle affiliated to JNTUGV, accredited by NAAC with 'A' grade is a record of bonafide work carried out by them under my guidance and supervision.

Ch. Pratyaksha
PROJECT GUIDE

P. Poornima *15/02/24*
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[Signature]
EXTERNAL EXAMINER