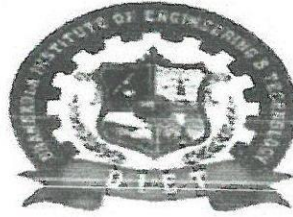


DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Affiliated to JNTUK - Approved by AICTE)

Vijayawada-521 139



CERTIFICATE

This is to certify that the project report entitled
"EXPERIMENTAL STUDY ON REPLACEMENT OF FINE AGGREGATE
WITH STONE DUST IN CONCRETE"
submitted by

D MOUNIKA

(208T5A0104)

B DILEEP KUMAR

(208T5A0101)

N RAVI KUMAR

(208T5A0112)

In partial fulfilment for the award of the *Degree in Bachelor of Technology* in civil Engineering to the Jawaharlal Nehru Technological University Kakinada is a record of bonafied work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.

Mr. N JAGADEESH

Project Guide

Dr. Mrs. V. BHAVITHA CHOWDARY

Head of the Department

HoD

Department of Civil Engineering,
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada - 521 139

External Examiner

Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

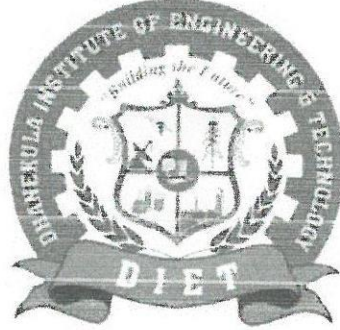
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(Approved by AICTE-New Delhi, Affiliated to JNTU Kakinada)

(NACC Accredited & An ISO 9001-2015 Certified institution)

GANGURU, VIJAYAWADA-521139

April-2023



CERTIFICATE

This is to certify that the project report entitled "EXPERIMENTAL STUDY ON CHARACTERISTICS OF GLASS FIBERS REINFORCED CONCRETE" Is the bonafide work carried out by K. RAJESH (208T5A0110), M. SYAM CHAITANYA (208T5A0111), P. ESWAR GANESH (208T5A0114), Students of B. tech (CE) of DhaneKula Institute of Engineering & Technology, affiliated to JNTU, Kakinada, AP(INDIA) during the academic year 2022-2023, in partial fulfilment of the requirements for the award of the degree of bachelor of technology (civil engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

Signature of the ~~prof~~ / 23

Mr. K. Babu Rao

Assistant professor & ~~HOD~~

Signature of the HOD

Mrs. V. Bhavitha Chowdary, M.Tech. (Ph.D)

Assistant professor & ~~HOD~~

HOD

Department of Civil Engineering
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada - 521 139

Signature of External Examiner

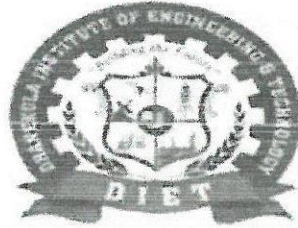
External Examiner

iii

Signature of Principal

Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

APRIL 2023



CERTIFICATE

This is to certify that the project titled "COMPARITIVE STUDY ON DURABILITY PROPERTIES OF M20 AND M25 GRADE CONCRETE WITH REPLACEMENT CONCRETE" is the bonafide work carried out by P.REVANTH RAM CHARAN (208T5A0113), G.NAGA POORNA CHANDRA RAO (208T5A0106), P. ROHITH (19T1A0106), students of B. Tech (Civil) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India)during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Civil Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellow ship or any other similar title.

M Vineela
Signature of the GUIDE

M. VINEELA

(Assistant Professor)

Mrs. V. Bhavita Chowdary
Signature of the HOD

Mrs. V.BHAVITA CHOWDARY, (P.H.D)

(Head of department) HOD

Department of Civil Engineering,
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada - 521 139

P. R. R. R.
External Examiner

Principal
Principal
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Ganguru, Vijayawada-521 139

DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Affiliated to JNTUK - Approved by AICTE)

Vijayawada-521 139



CERTIFICATE

This is to certify that the project report entitled
"EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF FINE
AGGREGATE WITH CRUMB RUBBER IN CONCRETE"
submitted by

| | |
|------------------|--------------|
| K SIVA SAI KIRAN | (208T5A0108) |
| R ARAVIND | (208T5A0115) |
| G SATHYANARAYANA | (198T1A0104) |

In partial fulfilment for the award of the *Degree in Bachelor of Technology* in civil Engineering to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out under my guidance and supervision. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.

Mr. V NARASIMHA RAO

Project Guide

Dr. Mrs. V. BHAVITA CHOWDARY

Head of the Department

External Examiner

HoD
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DHANEKULA INSTITUTE
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Principal

DHANEKULA INSTITUTE
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NAAC accredited & an ISO 9001 – 2015 Certified Institution

GANGURU, VIJAYAWADA (INDIA)-521139

April-2023



CERTIFICATE

This is to certify that the Project Report titled “ANALYSIS AND DESIGN OF MULTY STORIED BULDING USING E-TABS” is the bonafide work carried out by **B.HARSHA PAVAN KUMAR (208T5A0102)**, **B.RAKESH (198T1A0102)**, **SK.SADIQ (198T1A0105)** students of B. Tech (Civil) of Dhanekula Institute of Engineering & Technology, affiliated to JNTUniversity, Kakinada, AP(India)during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Civil Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellow ship or any other similar title.

Signature of the HOD

V.BHAVITA CHOWADARY

HOD of Department

Department of Civil Engineering
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Signature of the Guide

M.SAI GANESH

Assistant Professor

Signature of External Examiner

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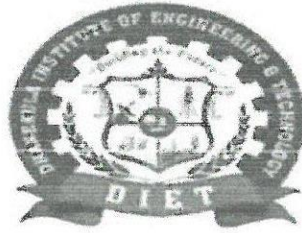
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GANGURU, VIJAYAWADA (INDIA)-521139

APRIL 2023



CERTIFICATE

This is to certify that the Project titled "A STUDY ON STABILIZATION OF SUBGRADE SOIL BY USING MARBLE DUST AND BAGASSE ASH" is the bonafide work carried out by R.BHANU CHANDRA (288T5A0116), D.CHAITANYA KRISHNA (208T5A0105), B.NANDA SAI NAYAK (198T1A0101), students of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Civil Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellow ship or any other similar title.

Signature of the Guide

Mrs.V. BHAVITA CHOWDARY

M.Tech., (Ph.D.)

Assistant professor

Signature of the H.O.D

Mrs.V. BHAVITA CHOWDARY

M.Tech., (Ph.D.)

Head of The Department
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Signature of the External Examiner

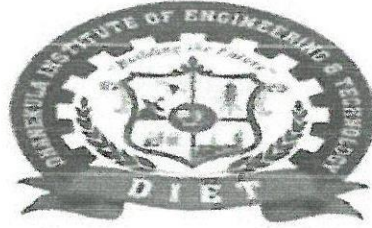
III

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GANGURU, A.P. (INDIA)-521139



CERTIFICATE

This is to certify that the project titled “**Evaluation of MODIS AOD and CAAQM data for Indian Himalayas**” is the bonafied work carried out by

K.V.S.S.KIRAN (208T5A0109)

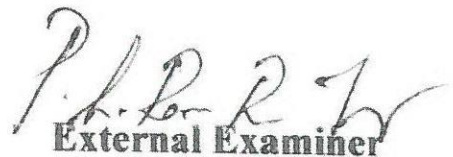
SK.MAHMAD NAZEER (208T5A0118)

CH.CHIRAJEEVI (208T5A0103)

of B. Tech (Civil) of DhaneKula Institute of Engineering & Technology, affiliated to JNTU, Kakinada, AP (India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Civil Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellow ship or any other similar title.

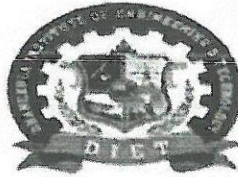

Signature of the HOD

Dr. G. VINAY KUMAR
(HOD & Professor)


External Examiner


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Ganguru, Vijavawada-521139

Dhanekula Institute of Engineering & Technology
(Affiliated to JNTUK - Approved by AICTE) Vijayawada-521 139




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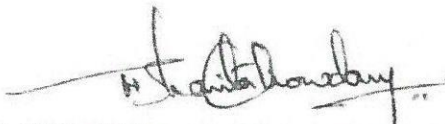
This is to certify that the project report entitled "STABILIZATION OF BLACK COTTON SOIL BY USING GROUND GRANULATED BLAST FURNACE SLAG" being submitted by

| | |
|-----------------------|---------------------|
| SALEEMA KHATUN | (208T5A0117) |
| D CHAKRADHAR | (198T1A0103) |
| K GANESH | (208T5A0119) |

In partial fulfillment for the award of the *Degree in Bachelor of Technology* in Civil Engineering to the Jawaharlal Nehru Technological University Kakinada is a record of benefited work carried out under my guidance and supervision.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.


(Mr. GOGAM RAJU, M.Tech)
Project Guide


(Mrs. V. BHAVITA CHOWDARY, Ph.D)
Head of the Department
HoD

Department of Civil Engineering
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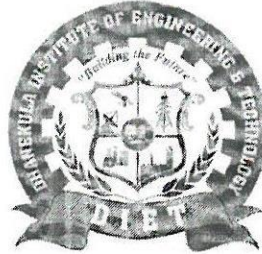

(SIGNATURE OF EXTERNAL EXAMINAR)

DHANEKULA INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Accredited by NBA & NAAC

Ganguru, Vijayawada -521139




CERTIFICATE

This is certify that the project title entitled “FABRICATION OF ELECTRICALLY ASSISTED VEHICLE ADAPTED TO URBAN MOBILITY” being submitted by

| | |
|-------------------------|------------|
| BONTA VAMSI KRISHNA | 208T5A0304 |
| MARKAPUDI JOSHUA SUNDAR | 208T5A0314 |
| PEDAPUDI RUPANADH | 208T5A0320 |
| BAVINENI SYAM SRINATH | 189T1A0304 |


In partial fulfilment for the award of **Degree in Bachelor of Technology** in mechanical engineering to the Jawaharlal Nehru technological university, Kakinada is a record bonafied work out under my guidance supervision.

The results embodied in this project report have not been submitted to any other university or institution for the award any degree or diploma.


Dr.S.AJAYA KUMAR M.E,Ph.D.
PROJECT GUIDE

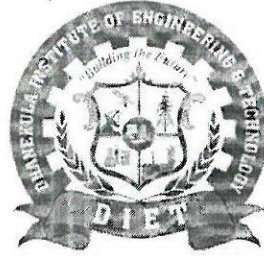

EXTERNAL EXAMINER


Dr. O. SRIKANTH
HEAD OF THE DEPARTMENT


Principal
DHANEKULA INSTITUTE
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Ganguru, Vijayawada-521 139

Department of Engineering
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Ganguru, Vijayawada -521139



CERTIFICATE

This is certify that the project title entitled “**OPTIMIZING THE ELECTRICAL ENERGY USAGE BY USING PIR SENSOR**” being submitted by

| | |
|--------------------------------|-------------------|
| BUDDHA BHARGAV | 208T5A0305 |
| DOKKU HARI KRISHNA | 208T5A0308 |
| GORANTLA YASWANTH KUMAR | 198T1A0308 |
| TATIPARTHI YOHOSHUVA | 198T1A0315 |

In partial fulfilment for the award of **Degree in Bachelor of Technology** in mechanical engineering to the Jawaharlal Nehru technological university, Kakinada is a record bonafied work out under my guidance supervision.

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Dr. S. AJAYA KUMAR M.E, Ph.D.
PROJECT GUIDE


EXTERNAL EXAMINER


Dr. C. SRIKANTH
HEAD OF THE DEPARTMENT


Principal
DHANEKULA INSTITUTE
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Mechanical Engineering
DHANEKULA INSTITUTE
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Ganguru, Vijayawada - 521139

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Accredited by NBA & NAAC
Ganguru, Vijayawada -521139




CERTIFICATE

This is certify that the project title entitled “ **HAND MOTION CONTROLLED ROBOT** ” being submitted by

| | |
|-------------------------------|-------------------|
| BATTULA SUKUMAR | 198T1A0303 |
| ABDUL SALAM | 208T5A0301 |
| KATURI ANDREW RAJENDRA | 208T5A0309 |
| SHAIK NIZAMUDDIN | 208T5A0322 |

In partial fulfilment for the award of **Degree in Bachelor of Technology** in mechanical engineering to the Jawaharlal Nehru technological university, Kakinada is a record bonafied work out under my guidance supervision.

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CH. PAVAN SATYA
NARAYANA M.E., (Ph.D.,)
PROJECT GUIDE

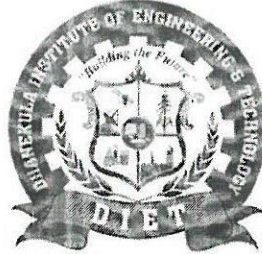

EXTERNAL EXAMINER


Dr. O. SRIKANTH
HEAD OF THE DEPARTMENT


Principal
DHANEKULA INSTITUTE
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CERTIFICATE

This is certify that the project title entitled “**FABRICATION OF THERMO ELECTRIC REFRIGERATOR**” being submitted by

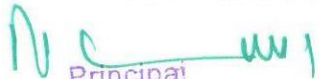
| | |
|----------------------------------|-------------------|
| BOMMIDI DAYAKAR | 208T5A0303 |
| PAIDI SAMBA SHIVA RAO | 198T1A0312 |
| KANCHANAPALLI PAVAN KUMAR | 208T5A0312 |
| DONGA SRIDHAR | 198T1A0307 |
| CHAVALI SANDEEP | 208T5A0306 |

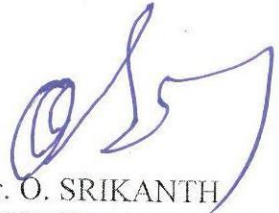
In partial fulfilment for the award of **Degree in Bachelor of Technology** in mechanical engineering to the Jawaharlal Nehru technological university, Kakinada is a record bonafied work out under my guidance supervision.

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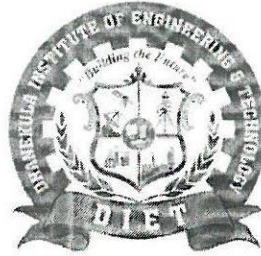

Dr. O. SRIKANTH M.E, Ph.D
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EXTERNAL EXAMINER


Principal
DHANEKULA INSTITUTE
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Ganguru, Vijayawada-521 139


Dr. O. SRIKANTH
HEAD OF THE DEPARTMENT
Mechanical Engineering
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

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Accredited by NBA & NAAC
Ganguru, Vijayawada -521139



CERTIFICATE

This is certify that the project title entitled “ **DEVELOPMENT OF AN OBSTACLE AVOIDING VEHICLE BY USING ARDUINO UNO AND BLUETOOTH MODULE** ” being submitted by

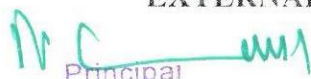
| | |
|------------------------------------|-------------------|
| KATURI ANDREW RAJENDRA | 188T1A0336 |
| GUDIVADA RABIN CHAKRAVARTHI | 188T1A0343 |
| NADAKUDITI RAVI TEJA | 168T1A0304 |
| TUMATI MOHAN KUMAR | 188T1A0322 |


In partial fulfilment for the award of **Degree in Bachelor of Technology** in mechanical engineering to the Jawaharlal Nehru technological university, Kakinada is a record bonafied work out under my guidance supervision.

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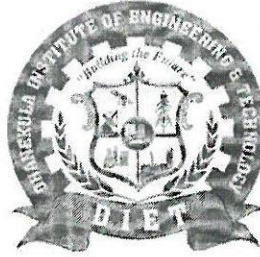

Dr. O. SRIKANTH M.E, Ph.D.
PROJECT GUIDE


EXTERNAL EXAMINER


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DHANEKULA INSTITUTE
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Dr. O. SRIKANTH
HEAD OF THE DEPARTMENT
DHANEKULA INSTITUTE
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Ganguru, Vijayawada-521 139

DHANEKULA INSTITUTE OF ENGINEERING AND TECHNOLOGY
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Ganguru, Vijayawada -521139



CERTIFICATE

This is certify that the project title entitled “ **ANALYSIS ON FLUID STRUCTURE INTERACTION ON SOLID STRUCTURE WITH INTERNAL OR SURROUNDING FLOW**” being submitted by

| | |
|---|-------------------|
| KORRAPATI ROHAN | 208T5A0313 |
| POGIRI BALAKRISHNA | 208T5A0321 |
| SIMHADRI VENKATA SIVA RAM PRASAD | 198T1A0313 |
| JONALA HEMANTH PREMDAS | 188T1A0318 |

In partial fulfilment for the award of **Degree in Bachelor of Technology** in mechanical engineering to the Jawaharlal Nehru technological university, Kakinada is a record bonafied work out under my guidance supervision.

The results embodied in this project report have not been submitted to any other university or institution for the award any degree or diploma.

P.V.SIVA TEJA M.E. (Ph.D.)
PROJECT GUIDE

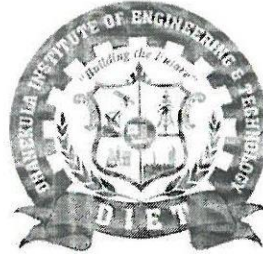
EXTERNAL EXAMINER

Dr. O. SRIKANTH
HEAD OF THE DEPARTMENT
Mechanical Engineering

DHANEKULA INSTITUTE
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Ganguru, Vijayawada -521 139

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CERTIFICATE

This is certify that the project title entitled “ **CHASIS ANALYSIS AND FABRICATION OF ELECTRIC GO-KART** ” being submitted by

| | |
|--------------------------------|-------------------|
| NITHISH CHANDRA AKURI | 198T1A0301 |
| HEMAKANTH CHILAMAKURTHI | 198T1A0306 |
| VENKATA KRISHNA NANDAM | 208T5A0318 |
| KALYAN CHANDU YELLETI | 208T5A0325 |


In partial fulfilment for the award of **Degree in Bachelor of Technology** in mechanical engineering to the Jawaharlal Nehru technological university, Kakinada is a record bonafied work out under my guidance supervision.

The results embodied in this project report have not been submitted to any other university or institution for the award any degree or diploma.


K.PAVAN KUMAR M.Tech
PROJECT GUIDE

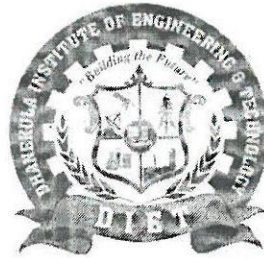

EXTERNAL EXAMINER


Dr. O. SRIKANTH
HEAD OF THE DEPARTMENT


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Ganguru, Vijayawada -521139




CERTIFICATE

This is certify that the project title entitled “**MECHANICAL PROPERTIES OF A16061SHEETS THROUGH SHOT PEEN FORMING**” being submitted by

| | |
|---------------------------|------------|
| MARRELA VENKATA SAI SESHU | 188T1A0336 |
| KAKI SYAM BABU | 188T1A0343 |
| PARASA SAI TEJA | 168T1A0304 |
| MOHAMMED JAFFAR SADIQ | 188T1A0322 |


In partial fulfilment for the award of **Degree in Bachelor of Technology** in mechanical engineering to the Jawaharlal Nehru technological university, Kakinada is a record bonafied work out under my guidance supervision.

The results embodied in this project report have not been submitted to any other university or institution for the award any degree or diploma.

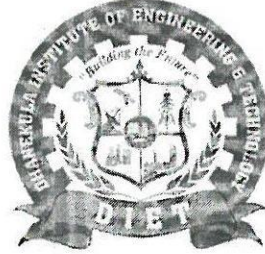

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P.V.SIVA TEJA M.E,(Ph.D.,)
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Ganguru, Vijayawada -521139



CERTIFICATE

This is certify that the project title entitled “**FABRICATION OF LOW COST CNC ENGRAVER MACHINE**” being submitted by


| | |
|---------------------------------|-------------------|
| UPPALA MOHAN CHANDRA | 208T5A0324 |
| MURALA DONI SRAVANTH | 208T5A0316 |
| BANNARAPU YASWANTH KUMAR | 198T1A0302 |
| SAYED HABIBULLAH | 198T1A0314 |


In partial fulfilment for the award of **Degree in Bachelor of Technology** in mechanical engineering to the Jawaharlal Nehru technological university, Kakinada is a record bonafied work out under my guidance supervision.

The results embodied in this project report have not been submitted to any other university or institution for the award any degree or diploma.


D. BALA NAGESH M.E, (Ph.D)
PROJECT GUIDE


EXTERNAL EXAMINER

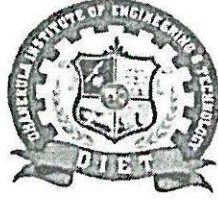

DR. O. SRIRANTH
HEAD OF THE DEPARTMENT


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GANGURU, VIJAYAWADA - 521 139

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "SOLAR POWER GENERATION AND IOT BASED MONITORING" is a bonafide record of project work done jointly by

B. DURGA BHAVANI (208T5A0203)

Y. VINEELA (208T5A0243)

P. JAYANTH (208T5A0228)


B. NAGA AYYAPPA (208T5A0202)


P. NAGENDRA BABU (198T1A0202)


D. NAGA SAI VENKATA NAVEEN (208T5A0208)

Submitted in partial fulfillment of the requirements for the award *Degree of Bachelor of Technology in Electrical & Electronics Engineering* to Jawaharlal Nehru Technological University, Kakinada is carried out under my guidance and supervision during the academic year 2022-2023.


DR. I. SAI RAM
PROJECT GUIDE

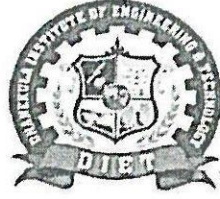

EXTERNAL EXAMINER


DR. I. SAI RAM
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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "*MONITORING & CONTROLLING OF SUBSTATION USING IOT IN DISTRIBUTION POWER GRID*" is a bonafide record of project work done jointly by

K. CHANDRA SEKHAR (208T5A0218)

CH. LEELA SUNEEL (208T5A0207)

K. PRASANNA KUMAR (208T5A0220)

CH. VENKATA PULLAIAH (208T5A0241)

CH. ESWAR (208T5A0206)

M. VENU KUMAR (198T5A0213)

Submitted in partial fulfillment of the requirements for the award *Degree of Bachelor of Technology in Electrical & Electronics Engineering* to Jawaharlal Nehru Technological University, Kakinada is carried out under my guidance and supervision during the academic year 2022-2023.



Mrs. KOMALI. V M.Tech


PROJECT GUIDE


Dr. I. SAIRAM

HEAD OF DEPARTMENT

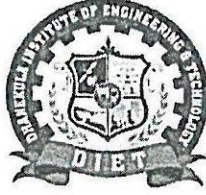
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EXTERNAL EXAMINER


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VIJAYAWADA - 521 139

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING




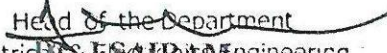
CERTIFICATE

This is to certify that the project work entitled “SOLAR ENERGY BASED FACE RECOGNISATION DOOR LOCK SYSTEM FOR INTRUDERS” is a bonafide record of project work done jointly by

| | |
|-----------------------|------------|
| M. RAVI PRAKASH REDDY | 208T5A0225 |
| K. GURU KRISHNA | 208T5A0221 |
| K. YOHAN | 208T5A0213 |
| M. SUBHAVANA | 208T5A0222 |
| A. VAMSI | 208T5A0201 |

Submitted in partial fulfillment of the requirements for the award *Degree of Bachelor of Technology in Electrical & Electronics Engineering* to Jawaharlal Nehru Technological University, Kakinada is carried out under my guidance and supervision during the academic year 2022-2023.


Mr. P.T. KRISHNA SAI
PROJECT GUIDE

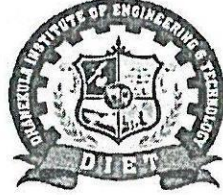

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "INTELLIGENT AGRICULTURE SOIL MOISTURE MONITORING AND CONTROLLING SYSTEM BASED ON IOT TECHNOLOGY" is a bonafide record of projectwork done jointly

by

R. G N D PRASAD (208T5A0232)

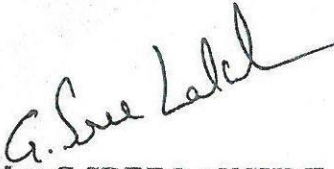
G. VIJAYESWARI (208T5A0223)


P. CHARAN KUMAR (208T5A0227)

O. SANDEEP (208T5A0226)

K. SATISH (208T5A0212)


Submitted in partial fulfillment of the requirements for the award *Degree of Bachelor of Technology in Electrical & Electronics Engineering* to Jawaharlal Nehru Technological University, Kakinada is carried out under my guidance and supervision during the academic year 2022-2023.


Mrs. G.SREE LAKSHMI
PROJECT GUIDE


EXTERNAL EXAMINER

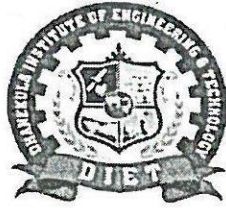

Dr. I.SAIRAM

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "ARDUINO BASED
TECHNOLOGY TO MAKE CITY SMART" is a bonafide record of projectwork
done jointly by

K. DURGARAO (208T5A0216)
V.SUJITH (208T5A0240)
P. VIVEK (208T5A0230)
U. NAGARAJU (208T5A0237)
SH. KHAIRULLA (198T1A0204)

Submitted in partial fulfillment of the requirements for the award *Degree of
Bachelor of Technology in Electrical & Electronics Engineering* to Jawaharlal
Nehru Technological University, Kakinada is carried out under my guidance and
supervision during the academic year 2022-2023.

Ch. Anil Kumar

MR.CH ANILKUMAR
PROJECTGUIDE

[Signature]
Dr. I.SAIRAM

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Head of the Department
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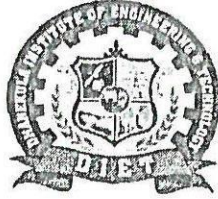
[Signature]
EXTERNAL EXAMINER

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "ENERGY SAVING USING TRAFFIC TURBINE" is a Bonafede record of project work done jointly by

N.DURGA MAHESH(208T5A0209)

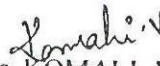
B.CHAITANYA(208T5A0204)

K.MOUNISH (208T5A0220)

V.GANESH (208T5A0241)

A.NAVEEN (198T1A0201)

Submitted in partial fulfilment of the requirements for the award *Degree of Bachelor of Technology* in *Electrical & Electronics Engineering* to Jawaharlal Nehru Technological University, Kakinada is carried out under my guidance and supervision during the academic year 2022-2023


Mrs. KOMALI. V M.Tech


PROJECT GUIDE


Dr. I.SAIRAM

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Head of the Department
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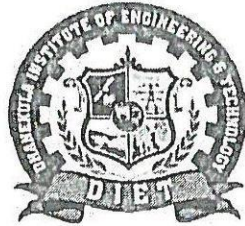

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CERTIFICATE

This is to certify that the project work entitled “AUTOMATIC SOLAR PANEL CLEANING SYSTEM” is a bona-fide record of project work done jointly by

R. NAVEEN (208T5A0233)

M. RAMA KRISHNA (208T5A0236)

SK. JAFNA (208T5A0235)

P. DINESH KRISHNA (208T5A0229)

K. GOPI KRISHNA (208T5A0211)

Submitted in partial fulfillment of the requirements for the award *Degree of Bachelor of Technology in Electrical & Electronics Engineering* to Jawaharlal Nehru Technological University, Kakinada is carried out under my guidance and supervision during the academic year 2022-2023.

Mr. T. Venkateswara Rao.

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CERTIFICATE

This is to certify that the project work entitled "AUTOMATIC MOVEMENT AREA CONTROL IN AIRPORT" is a bonafide record of projectwork done jointly by


208T5A0231 - P. SOWMYA
208T5A0238 - V. UJWAL UMA MAHESH
208T5A0210 - G. VEERAMMA
208T5A0219 - G. MANIKANTA
208T5A0224 - M. MANIKANTH

Submitted in partial fulfillment of the requirements for the award *Degree of Bachelor of Technology in Electrical & Electronics Engineering* to Jawaharlal Nehru Technological University, Kakinada is carried out under my guidance and supervision during the academic year 2022-2023.


Mr. T. VENKATESHWARA RAO
PROJECT GUIDE

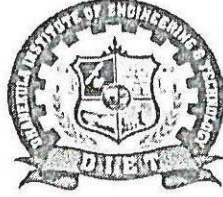

Dr. I. SAIRAM
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SVIJAYAWADA - 521 139

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "HYBRID ELECTRIC VEHICLE CHARGING STATION USING PSO AND FUZZY- PI CONTROLLER" is a bonafide record of projectwork done jointly by

Y Anil Kumar -208T5A0242

S Vinay -208T5A0234

Ch Srinivasu-208T5A0205

K Pavan Kumar -208T5A0214

B Durga Babu -208T5A0217

Submitted in partial fulfillment of the requirements for the award *Degree of Bachelor of Technology in Electrical & Electronics Engineering* to Jawaharlal Nehru Technological University, Kakinada is carried out under my guidance and supervision during the academic year 2022-2023.

Ch. Anil Kumar

Mr. CH. ANIL KUMAR
PROJECT GUIDE

Dr. I. Sairam

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Head of the Department
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K. Suresh
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Affiliated to JNTUK, Kakinada & Approved by AICTE, New Delhi

Certified by ISO 9001-2015, Accredited by NBA

Department of Electronics & Communication Engineering



CERTIFICATE

This is to certify that the project work entitled “ **SMART BLIND STICK USING RASPBERRY PI** ” is bonafide record of project work done jointly by M. Harsha Sri (198T1A0488), P. Sumalatha (198T1A04B3), M. SaiRam (198T1A0479), N. Thanmai (198T1A04A0), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

10/8/23

PROJECT GUIDE

Mohammed.Abdul Aziz

Assistant Professor

Department of ECE

28/4/23

HEAD OF THE DEPARTMENT

Dr. M. Vamshi Krishna

Professor & H.O.D

Department of ECE

Principal

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Ganguru, VIJAYAWADA-521 139

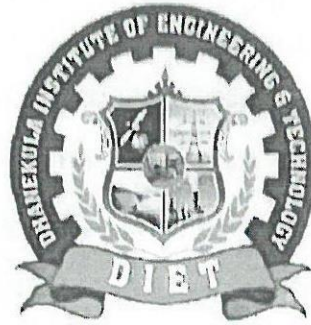
DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "AUTOMATIC MODULATION CLASSIFICATION USING PRINCIPLE COMPOSITION ANALYSIS BASED FEATURES SELECTION" is a bonafide record of project work done jointly by P.MOKAHA SREE(198T1A04A7), M.VIJAY (198T1A0483), P. RARAJU(198T1A04B2), R.MANI KANTA(198T1A04C3) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

Project Guide:

N
28/4/23

Mrs.N. DURGA INDIRA

Assistant Professor,

Department of ECE.

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C
28/4/23

Head of the Department

Dr.M. VAMSHI KRISHNA

Professor & H.O.D,

Department of ECE.

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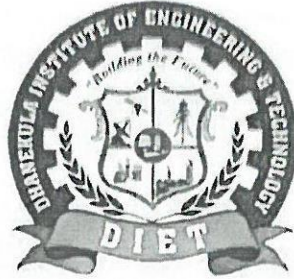
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Department of Electronics & Communication Engineering



CERTIFICATE

This is to certify that the project work entitled “AN IOT-BASED SURVEILLANCE ROBOT ”is a bonafide record of project work done jointly by the Mr. P. Anil (198T1A04B6), Ms. N. Dakshayani (198T1A0499), Ms.M. Jhansi Lakshmi(198T1A0497), Ms. M. Chethana (198T1A0482), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-202

PROJECT GUIDE

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Assistant Professor
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HEAD OF THE DEPARTMENT

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Professor & H.O.D
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Certified by ISO 9001-2015, Accredited by NAAC & NBA

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled “ **IoT Based home automation system using Alexa** ” is Bonafede record of project work done jointly by K.Sai Sushma(198T1A0476),K.Srujana(198T1A0467),N.Likitha(198T1A04A2),V.TejaSai(198T1A04C7),V.SwathiRushitha(198T1A04C8) under my guidance and supervision and is submitted in partial fulfilment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2021-2022.

PROJECT GUIDE :

Dr. V. Teju

Assistant Professor,

Department of ECE.

HEAD OF THE DEPARTMENT

Dr. M.Vamshi Krishna

Professor & H.O.D,

Department of E CE

Principa
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EXTERNAL EXAMINER

HEAD OF THE DEPARTMENT I
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GANGURU, VIJAYAWADA - 521 139

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "EFFICIENT WATER MANAGEMENT FOR SUSTAINABLE AGRICULTURE" is a bonafide record of project work done jointly by B Sai Pavan(198T1A0412), J Bhavya Sri(198T1A0450), J Keerthi(198T1A0451), B Pavan Kalyan (198T1A0415), J Siva Shankar(198T1A0446) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

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Project Guide & Head Of the Department:

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Professor & H.O.D.

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HEAD OF THE DEPARTMENT I
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EXTERNAL EXAMINER

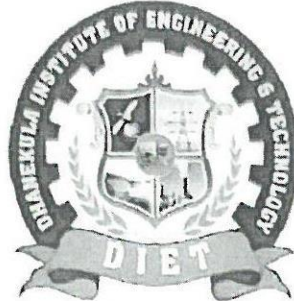
DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

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CERTIFICATE

This is to certify that the project work entitled "SEGMENTATION OF SUB-ACUTE ISCHEMIC STROKE LESION IN HUMAN BRAIN USING MACHINE LEARNING ALGORITHM" is a bona fide record of project work done jointly by B.SRAVYA (198T1A0418), CH.VENKAT KIRAN (198T1A0431), K.MALLIKA (198T1A0455) and A.SURYA VARMA (198T1A0409) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

Project Guide:

Dr. M. Sunil Babu

Professor,

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Head of the Department

27/4/23
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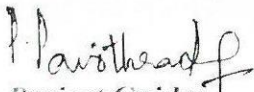
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING




CERTIFICATE

This is to certify that the project work entitled "IoT BASED SMART DEVICE FOR CORONA PREDICTION" is a bonafide record of project work done jointly by K.B.PUJITHA (198T1A0458), A.GOPINANDU (198T1A0408), K.TEJASWINI (198T1A0456), CH.N.NITISH (198T1A0423) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.



Project Guide:

Dr. P. Pavithra Roy
Professor,
Department of ECE.


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Head of the Department
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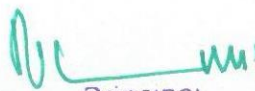
CERTIFICATE

This is to certify that the project work entitled "CLASSIFICATION AND DETECTION OF PEST USING DEEP LEARNING" is a bonafide record of project work done jointly by M.HANEESHA(198T1A0496), P.PRATHYUSHA(198T1A04B7), P.ANUSHA(198T1A04B9), S.HARINI(198T1A04C4) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.


Project Guide & Head of the Department
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Professor & HOD


EXTERNAL EXAMINER


Principal
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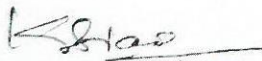
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Department of Electronics & Communication Engineering



CERTIFICATE

This is to certify that the project work entitled " COLOR CORRECTION BASED ON CFA AND ENHANCEMENT BASED ON RETINEX WITH DENSE PIXELS FOR UNDERWATER IMAGES " is Bonafide record of project work done jointly by P. Mounika (198T1A04C1), K. Ramya (198T1A0466), S. Nazia Tabassum (198T1A04C6), L. Suvarna Rakesh (198T1A0478), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2021-2022


27.04.2023


PROJECT GUIDE

Dr. K. Srinivasa Rao


Professor

Department of ECE


External Examiner


28/4/23
HEAD OF THE DEPARTMENT
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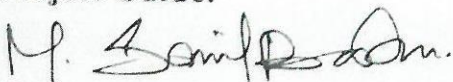
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "CRUD IMAGE PARADIGM USING DEEP LEARNING ALGORITHM" is a bona fide record of project work done jointly by P. AASHITHA(198T1A04B0), K. L. PRIYA(198T1A0468), SK. LAKHILGOUSE(198T1A04C5), M.D.T.ASHOK (198T1A0481) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

Project Guide:


DR. SUNIL BABU


Professor,

Department of CSE.

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EXTERNAL EXAMINER


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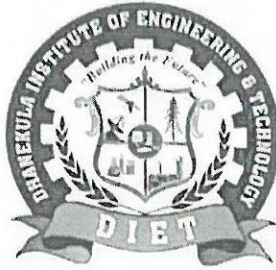
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CERTIFICATE

This is to certify that the project work entitled “**IOT BASED REAL-TIME WEATHER MONITORING SYSTEM**” is bonafide record of project work done jointly by M.Bhargavi(198T1A0484), P.V.Pavan(198T1A04B4), M.Kavya(198T1A0485), K.Dhanush(198T1A0473), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023

PROJECT GUIDE

Dr. P. Pavithra Roy

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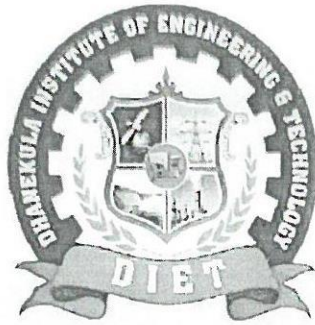
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CERTIFICATE


This is to certify that the project work entitled "CONVOLUTION NEURAL NETWORK MODEL FOR LUNG CANCER DETECTION" is a bonafide record of project work done jointly by M.VENGAIAHCHOWDARY(198T1A0480), M.SRIKANTHREDDY (198T1A0487), P.INDIRA(198T1A04B5), K.L.V.CHARAN (198T1A0472) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

Project Guide:

Dr. RAJESH GOGINENI

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EXTERNAL EXAMINER

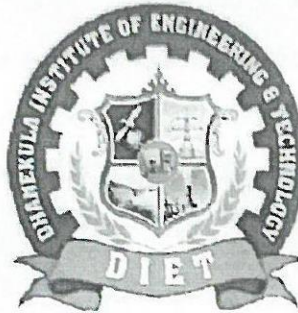
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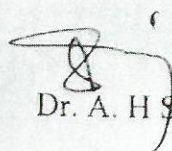
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DEVELOPING AN UAV FOR AGRICULTURAL APPLICATIONS" is a bonafide record of project work done jointly by M. Devendra gowd (198T1A0493), P. V. Narasimha (198T1A04A5), M. Nageswara Rao (198T1A0498), K. Ajay (198T1A0471) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

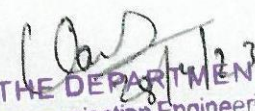
Project Guide:


Dr. A. H. Sharief

Associate Professor,

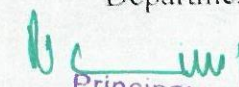
Department of ECE.

Head of the Department


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CERTIFICATE


This is to certify that the project work entitled “**Designing an Handheld Moisture sensor for Cultivating Paddy fields using Internet of Things and MQTT**” is bonafide record of project work done jointly by P. Manisha (198T1A04A6), P. Sushma (198T1A04C0), P. Naveen Kumar Reddy (198T1A04A1), K. Deva Sree Dattu (198T1A0465) under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2021-2022.

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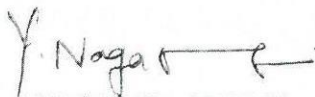
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CERTIFICATE

This is to Certify that the Project Work entitled "AUTOMATIC DETECTION OF WHITE BLOOD CANCER FROM BONE MARROW MICROSCOPIC IMAGES USING CONVOLUTIONAL NEURAL NETWORKS" is bonafide record of project work done jointly by L.JanaPriya (198T1A0477), P.Harshita (198T1A04B8), P.Vamsi (198T1A04A9), P.Praveen (198T1A04A8) under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023




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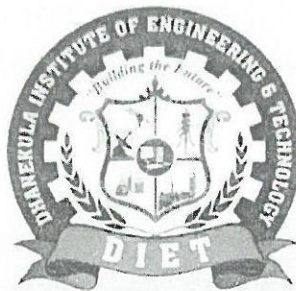
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CERTIFICATE

This is to certify that the project work entitled “DESIGNING DIY ARDUINO UNO BOARD” is bonafide record of project work done jointly by **N. Samyuktha**(198T1A04A3), **K. Greeshma** (198T1A0474), **K. Tejaswar naidu**(198T1A0470), **M. Teja** (198T1A0495), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by JawaharlalNehru Technological University, Kakinada during the academic year 2022-2023.

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R. Mahalakshmi
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CERTIFICATE

This is to certify that the project report entitled "Automation of College Management System" is a bonafide record of project work done jointly by J. PRIYANKA(198T1A0448), B. REVANTH ESHWAR(198T1A0419), MD. AFRIN JAHA(198T1A0463) & G. SAI KRISHNA (198T1A0444) under my guidance and supervision and is submitted in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023


Signature of Guide

Dr. B. Prudhvi Nadh
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Signature of Head of the Department
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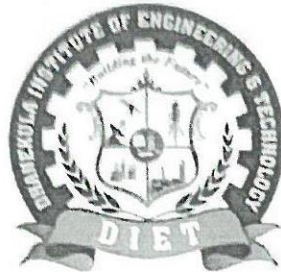
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Department of Electronics & Communication Engineering



CERTIFICATE

This is to certify that the project work entitled "AIR QUALITY MONITORING DISPLAY BOARD USING IoT" is a bonafide record of project work done jointly by G. SAI LINESHA(198T1A0440), D. GNANAPRADEEPKUMAR(198T1A0435), A. YASWANTH(198T1A0405), CH. L. PRASANNA(198T1A0427), under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

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Dr. A.H Sharief

Associate Professor

Department of ECE

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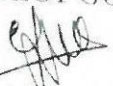
Department of Electronics & Communication Engineering



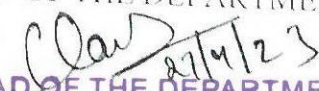
CERTIFICATE

This is to certify that the project work entitled "BRAIN TUMOR SEGMENTATION USING MULTI-CASCADED CONVOLUTIONAL NEURAL NETWORKS" is bonafide record of project work done jointly by A. Vineetha(198T1A0404), K. Supriya (198T1A0460), A. Venkata Satish(198T1A0406), Bhavana Reddy. S(198T1A0416) under my guidance and supervision and is submitted in partial fulfillment for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.


PROJECT GUIDE:


Mrs. Mary Silvy
Assistant professor
Department of ECE

HEAD OF THE DEPARTMENT:


Dr. M. Vamsi Krishna
HEAD OF THE DEPARTMENT,
Electronics & Communication Engineering,
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External Examiner


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CERTIFICATE

This is to certify that the project work entitled "CATTLE HEALTH MONITORING SYSTEM USING MACHINE LEARNING " is bona fide record of project work done jointly by J. LAKSHMI DURGA (198T1A0445), K. SAI SREE (198T1A0462), B. BHAGAVAN HEMANADH (198T1A0413), G. SRI RAM (198T1A0443), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023

PROJECT GUIDE

Mr. P. Krishna Reddy, M.Tech.,

Assistant Professor,

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CERTIFICATE


This is to certify that the project work entitled "TRAFFIC MANAGEMENT SYSTEM USING IMAGE PROCESSING" is a Bonafide record of project work done jointly by A. MEGHANA KRISHNA SAI SUMITRA(198T1A0402), CH. L V SIVA RAMA KRISHNA(198T1A0422), S DIVYA PRASANTHI(198T1A0464), D.TULASI RANI(198T1A0436) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

Project Guide:


Mrs. N.SAI PRIYANKA

Asst. Professor,

Department of ECE


HEAD OF THE DEPARTMENT
Electronics & Communication Engineering
DI. M. MEGHANA KRISHNA SAI SUMITRA
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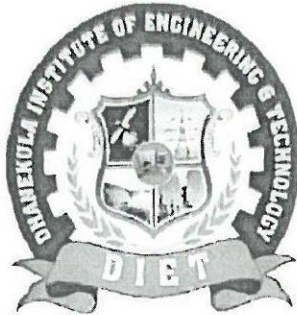
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CERTIFICATE


This is to certify that the project work entitled “KNN BASED SIGN LANGUAGE DETECTION THROUGH BODY MAPPING” is a bona fide record of project work done jointly by K.SRI KRISHNA CHAITANYA (198T1A0459), G.V.SANDHYA (198T1A0442), B.MOHAN RAVI TEJA (198T1A0411) and CH.GAYATHRI (198T1A0429) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.


Project Guide

Mr. N. Nagaraju
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External Examiner


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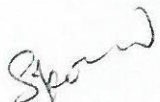
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CERTIFICATE

This is to certify that the project work entitled "OCR BASED TEXT TO SPEECH CONVERSION USING PYTHON" is a bonafide record of project work done jointly by DOWLATHI SHAHEEN(198T1A0437), G.LOKESH (198T1A0441), CH.MALINI (198T1A0425), CH.SAI KRISHNA (198T1A0430), under the guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.


Project Guide:
Mr. S Krishna
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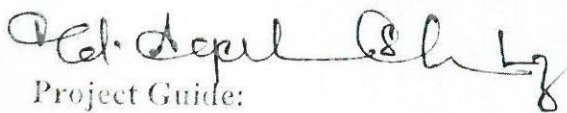
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CERTIFICATE

This is to certify that the project work entitled "SELF DRIVING CAR USING RASPBERRY PI" is a bona fide record of project work done jointly by D.C.K.VeeranjaneYulu (198T1A0434), B.MANOJ (198T1A0417), J.LIKHITA (198T1A0447), B.NIKHIL (198T1A0420) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.



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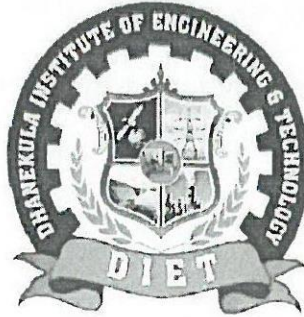
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE


This is to certify that the project work entitled "AUTOMATIC WATER TANK LEVEL AND PUMP CONTROL SYSTEM" is a bonafide record of project work done jointly by K. LIKITHA(198T1A0461),CH.DURGAPRASAD(198T1A0428),A.CHAITANYA(198T1A0407) & G.CHARAN (198T1A0439) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.


Project Guide:

Mr. P. VEERA SWAMY

Assistant Professor

Department of ECE.


HEAD OF THE DEPARTMENT
Electronics & Communication Engineering
DHANEKULA INSTITUTE
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Ganguru, VIJAYAWADA-521 139
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Department of ECE.


EXTERNAL EXAMINER


Principal
DHANEKULA INSTITUTE
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Ganguru, Vijayawada-521 139

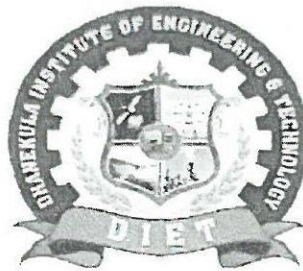
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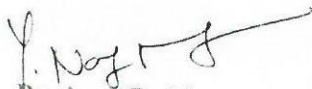
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING




CERTIFICATE

This is to certify that the project work entitled "UNUSUAL HUMAN ACTIVITY DETECTION USING CCTV FOOTAGE" is a bonafide record of project work done jointly by K. ANUSRI (198T1A0457), B.NANDINI (198T1A0410), B. VENKATA KALYAN(198T1A0414) & P.DEVI DINESH (198T1A0432) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.



Project Guide:

Mr. Y. Naga Prasanthi,
Assistant Professor,
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Department of ECE.


EXTERNAL EXAMINER


Principal
DHANEKULA INSTITUTE
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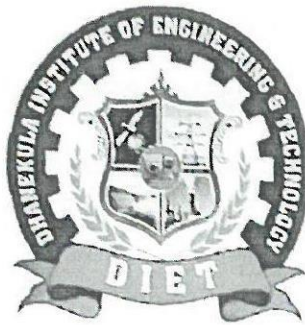
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled " REAL TIME VEHICLE TRACKING" is a bona fide record of project work done jointly by JSRI LAKSHMI (198T1A0452),BOREDDY SURENDRA (198T1A0421),CH.MOHIT SYAM SAI (198T1A0426),CH.LEELA VASAVI (198T1A0424) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022- 2023.

Principal
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Project Guide:

Mr. Mohammed Abdul Aziz
Assistant Professor,
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Head of the Department
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Professor & H.O.D,
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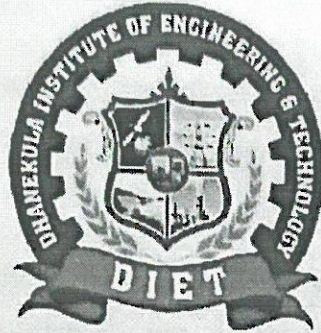
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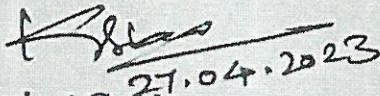
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "PREDICTION OF HEART DISEASE USING MACHINE LEARNING" is a bona fide record of project work done jointly by J.POORNA CHANDRIKA(198T1A0449),D.GOPI CHAND REDDY(198T1A0433),J.VAMSI VARDHAN(198T1A0453), K.RAJA MOHAN REDDY(198T1A0454) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

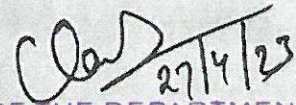

27.04.2023

Project Guide:

Dr. K. Srinivasa Rao
Professor,
Department of ECE



Principal
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27/4/23

HEAD OF THE DEPARTMENT
Electronics & Communication Engineering
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

Dr. M. Vamsi Krishna
Professor & H.O.D

Department of ECE

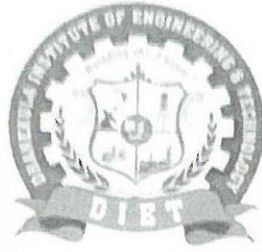
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Department of Electronics & Communication Engineering



CERTIFICATE

This is to certify that the project work entitled “**PROTOTYPING INSULIN PUMP USING INTERNET OF THINGS**” is bonafide record of project work done jointly by P. Bhagya Sri (208T5A0411), Y. Prathima (208T5A0420), T. Anjancyulu(198T1A04E9), T. Harshitha (198T1A04F2), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

(Signature)
27/4/23

GUIDE & HEAD OF THE DEPARTMENT

Dr. M. Vamshi Krishna
Professor & H.O.D
Department of ECE

(Signature)

External Examiner

(Signature)
Principal
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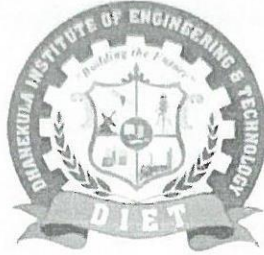
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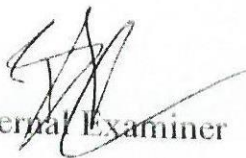


CERTIFICATE

This is to certify that the project work entitled "INTELLIGENT DOOR LOCK SYSTEM" is bonafide record of project work done jointly by V. Siva Sai (198T1A04G8), T.Gowthami (208T5A0415), Y. Ravi Teja (198T1A04H3), P.V Pavan Kumar (198T1A04D8), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.


PROJECT GUIDE
Mr. G. Vasantha Rao
Assistant Professor
Department of ECE


HEAD OF THE DEPARTMENT
Dr. M. Vamshi Krishna
Professor & H.O.D
Department of ECE


External Examiner


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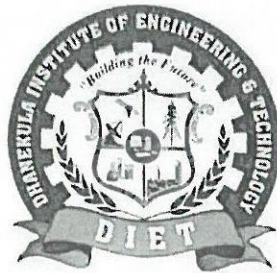
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Department of Electronics & Communication Engineering



CERTIFICATE

This is to certify that the project work entitled “**IMAGE STEGANALYSIS USING COMPRESSIVE SENSING**” is bonafide record of project work done jointly by K. Lalitha (208T5A0407), G. Eshwar (198T1A04D2), K. Shiva Kumar (208T5A0406), M. Anil Kumar (198T1A04D6), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

PROJECT GUIDE

Dr. V. Teju

Assistant Professor

Department of ECE

HEAD OF THE DEPARTMENT

Dr. M. Vamshi Krishna

Professor & H.O.D

Department of ECE

External Examiner

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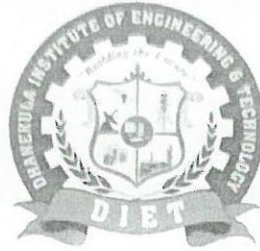
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Department of Electronics & Communication Engineering



CERTIFICATE

This is to certify that the project work entitled "SMART FARMING MONITORING SYSTEM USING IOT" is bonafide record of project work done jointly by T. Navya Sri (198T1A04F0), CH.L.N. Manikanta (208T5A0424), R. Naga Phaneendra (208T5A0412), V. Hemanth (198T1A04G5), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

P. Ramya
24/4/23

PROJECT GUIDE

Mrs. P. Ramya

Assistant Professor

Department of ECE

Class
28/4/23

HEAD OF THE DEPARTMENT

Dr.M. Vamshi Krishna

Professor & H.O.D

Department of ECE

[Signature]
External Examiner

[Signature]
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CERTIFICATE

This is to certify that the project work entitled “LUNG AND VESSEL SEGMENTATION AND DENOISING USING UNSUPERVISED LEARNING METHOD” is bonafide record of project work done jointly by V. Anjana Priya(198T1A04F7), S. Likhitha(198T1A04E7), K. Sri Teja(208T5A0405), P. Sai Madhav(198T1A04E2) under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

PROJECT GUIDE

Dr. Rajesh Gogineni

Associate Professor

Department of ECE

Head of the Department

Dr. M Vamshi Krishna

Professor and H.O.D

Department of ECE

External Examiner

Principal
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APRIL-2023

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CERTIFICATE

This is to certify that the project work entitled "DEEP LEARNING ORIENTED CHANNEL ESTIMATION FOR INTERFERENCE REDUCTION FOR 5G" is a bona fide record of project work done jointly by Y.GOPI(198T1A04H0), Y.GEETHIKA NAGA SINDHU(198T1A045H1), Y.YAMINI(198T1A04G9) and T.JITENDER PRUDHVI(198T1A04F3) under my guidance and supervision and is submitted in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology in Electronics & Communications Engineering by Jawaharlal Nehru Technology University, Kakinada during the academic year 2022-2023.


Project Guide

Dr.ABDUL HUSSAIN SHARIEF

Associate Professor,

Department of ECE.


28/4/23

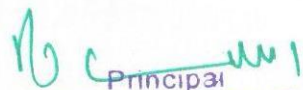
Head of the Department

Dr.M. VAMSHI KRISHNA

Professor & H.O.D,

Department of ECE.


EXTERNAL EXAMINER


Principal
**DHANEKULA INSTITUTE
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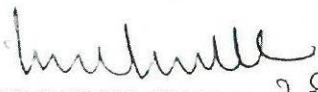
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Department of Electronics & Communication Engineering



CERTIFICATE

This is to certify that the project entitled is **A THRE STAGE COMPARATOR AND ITS MODIFIED VERSION WITH FAST SPEED AND LOW KICKBACK** is bonafide record of project work done by jointly by S. DivyaSri (198T1A04E3), S. Leela Durga Prasad (198T1A04E5), Sachin Jha (198T1A04E1), B. A .K .Venkatesh (208T5A0401), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.



PROJECT GUIDE 28/4/23

Mr. S. Chandra Sekhar
Assistant Professor
Department of ECE


HEAD OF THE DEPARTMENT

Dr. M. Vamshi Krishna
Professor & H.O.D
Department of ECE


External Examiner


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Department of Electronics & Communication Engineering



CERTIFICATE

This is to certify that the project work entitled "A DEEP LEARNING METHOD FOR PAVEMENT CRACK IDENTIFICATION WITH LIMITED FIELD IMAGES" is bonafide record of project work done jointly by V. Sai Kumar Reddy (208T5A0417), V.Gnana Sai Sudha (198T1A04F8), G. Lilly Grace (208T5A0403), Khamreen Begum (198T1A04D3), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

PROJECT GUIDE

P. Veera Swamy
Assistant Professor
Department of ECE

HEAD OF THE DEPARTMENT

Dr. M. Vamshi Krishna
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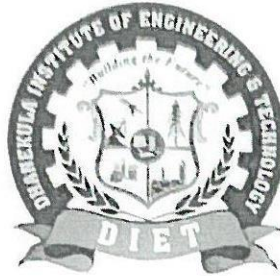
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Department of Electronics & Communication Engineering



CERTIFICATE

This is to certify that the project work entitled “ FUSION BASED RESOLUTION ENHANCEMENT OF SATELLITE IMAGE USING OPTIMIZATION TECHNIQUES” is a bonafide record of project work done jointly by A.Renuka (198T1A04D0), D.Vinayak Snajay (198T1A0G6), V.Manikanta (198T1A04F6), V.Ram Gopi (198AT1A04F9) under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2021-2022

PROJECT GUIDE

Y.Ramakrishna

Assistant Professor

Department of ECE

26/4/23

HEAD OF THE DEPARTMENT

Dr. M. Vanshi Krishna

Professor & H.O.D

Department of ECE

External Examiner

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Department of Electronics & Communication Engineering




CERTIFICATE

This is to certify that the project work entitled “ **REAL TIME REMOTE BASED HEALTH MONITORING SYSTEM** ” is bonafide record of project work done jointly by Sk Md Nafisa (**208T5A0414**), S.V Sai Lakshmi (**198T1A04E4**), V.Narendra (**198T1A04G1**), V.Subhash (**198T1A04G2**), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023


PROJECT GUIDE
K. Siva Nagendra
Assistant Professor
Department of ECE


HEAD OF THE DEPARTMENT
Dr. M. Vamshi Krishna
Professor & H.O.D
Department of ECE


External Examiner


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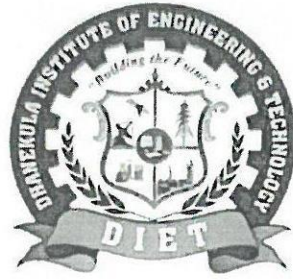
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Department of Electronics & Communication Engineering



CERTIFICATE

This is to certify that the project work entitled “BRAIN STROKE DIAGNOSIS USING CIRCULARLY POLARIZED WEARABLE ANTENNA” is bonafide record of project work done jointly by V.Likhitha (198T1A04G7),V.Bhumika varma (208T5A0418),Y.Dugra prasad (208T5A0419),Ch.Sai vasmi (198T1A04C9) under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University , Kakinada during the academic year 2022-2023.

PROJECT GUIDE

Dr.B.Prudhvi Nadh ,Ph.d

Assistant Professor

Dept of ECE

HEAD OF THE DEPARTMENT

Dr.M.Vamshi Krishna Ph.d

Professor & HOD

Dept of ECE

External Examiner

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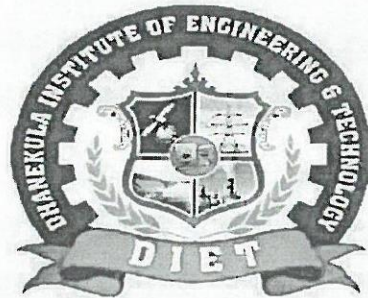
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "PARTICLE SWARM OPTIMIZATION BASED ON V-1 LIGHT IMAGE FUSION FRAME WORK USING CURVLET TRANSFORM AND FUZZY LOGIC" is submitted by V.BHANUSRI (198T1A04G4), D.MOHANMANIKANTA(208T5A0402), V.BHARGAVI (198T1A04G3), V.CHAKRADHAR (198T1A04D1) to the Dhanakula Institute of engineering & Technology in Electronic Communication Engineering, is bonafide record of project work carried out by him/her under my/our supervision. The contents of this report, in full or in parts, have not been submitted to any other Institute or University for the award of any degree or diploma.

Project Guide:

Mr. L. NAGA SRINVASU M.Tech., (Ph. D)
Assistant Professor,
Department of ECE.

Head of the Department

Dr. M. VAMSHI KRISHNA
Professor & H.O.D,
Department of ECE.

EXTERNAL EXAMINER

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Department of Electronics & Communication Engineering



CERTIFICATE

This is to certify that the project work entitled “SEVERITY ESTIMATION OF DISEASE FROM LEAF IMAGES USING DEEP LEARNING TECHNIQUES” is bonafide record of project work done jointly by A.Chaitanya Krishna (208T5A0423), G. Densi (208T5A0404), U. Mydhili (198T1A04F5), K. Venkata Hemanth (198T1A04D4), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the Academic year 2022-2023.

PROJECT GUIDE
Mr. P. Krishna Reddy
Assistant Professor
Department of ECE

HEAD OF THE DEPARTMENT
Dr. M. Vamshi Krishna
Professor & H.O.D
Department of ECE

External Examiner

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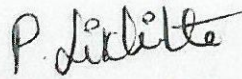
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DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING



CERTIFICATE

This is to certify that the project work entitled “ TRAFFIC SIGN RECOGNITION CNN ”is a bonafide record project work done jointly by M. Harshini (198T1A04D5), N. Chaitanya (208T5A0409), V. Mounika (198T1A04G0), O. Mani Keerthi (198T1A04D7), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

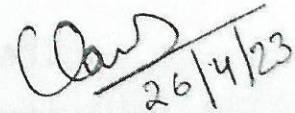


PROJECT GUIDE

Ms. P. Likhitha

Assistant Professor

Department of ECE

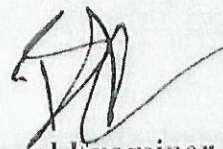

26/4/23

HEAD OF THE DEPARTMENT

Dr. M. Vamshi Krishna

Professor & H.O.D

Department of ECE



External Examiner



Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

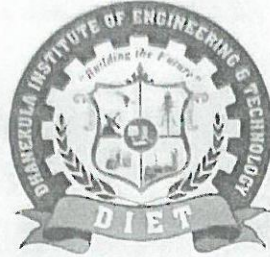
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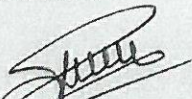
Certified by ISO 9001-2015, Accredited by NBA

Department of Electronics & Communication Engineering

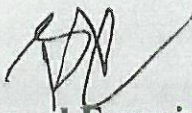


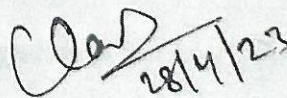
CERTIFICATE

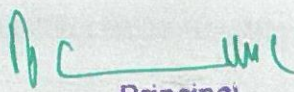
This is to certify that the project work entitled “A VLSI - BASED HYBRID ECG COMPRESSION SCHEME FOR WEARABLE SENSOR NODE” is bonafide record of project work done jointly by T.Venu Madhav(198T1A04F1), T.Sai Jagadish (198T1A04E8), P.Sri Nitya(198T1A04D9), T.Ram Mohan (208T5A0416), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023


PROJECT GUIDE

R.Maha Lakshmi
Assiatant Professor
Department of ECE


External Examiner


28/4/23
HEAD OF THE DEPARTMENT
Dr.M. Vamshi Krishna
Professor & H.O.D
Department of ECE


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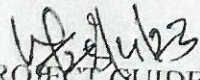
Certified by ISO 9001-2015, Accredited by NBA

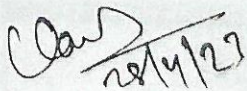
Department of Electronics & Communication Engineering

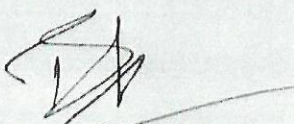


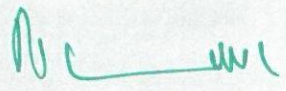
CERTIFICATE

This is to certify that the project work entitled “ THERMAL IMAGE ANALYSIS AND TEMPERATURE CALCULATION USING EDGE DETECTION AND CONTOURING ” is bonafide record of project work done jointly by N. Venkata Govind (208T5A0410), Shaik Azeema Bano (208T5A0413), P. Hari Chandana (198T1A04E0), Y. Siva Reddy (198T1A04H2), under my guidance and supervision and is submitted in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics & Communication Engineering by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023


PROJECT GUIDE
N. Naga Raju
Assistant Professor
Department of ECE


HEAD OF THE DEPARTMENT
Dr. M. Vamshi Krishna
Professor & H.O.D
Department of ECE


External Examiner


Principal
DHANEKULA INSTITUTE
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Ganguru, Vijayawada-521 139

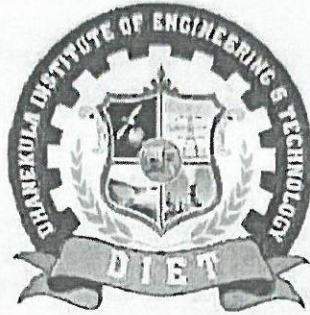
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Certified by ISO 9001-2015, Accredited by NBA

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is certify that the project work entitled “ANALYSIS AND DETECTION OF SKIN CANCER USING CONVOLUTION NUERAL NETWORK” is a bonfire record of project workdone jointly by S. PAVANKUMAR (198T1A04E6) , Y.D NAGA DURGA SATHVIKA (208T5A0421), I L V D PRASAD NAIK, (208T5A0422) , K.SUNIL(208T5A0408). under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in **Electronics & Communication Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year 2022-2023.

Project Guide:

Mrs.N.SAI PRIYANKA
Assistant Professor,
Department of ECE.

Head of the Department:

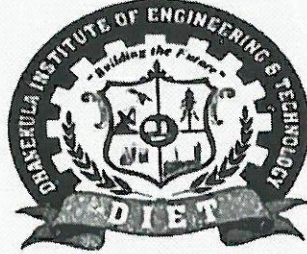
28/4/23

Dr.M.VAMSHI KRISHNA
Professor &H.O.D,
Department of ECE.

Project External :

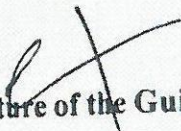
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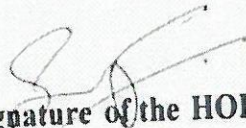


CERTIFICATE

This is to certify that the project titled “Safe Path Prediction Using Machine Learning” is the bonafide work carried out by Naga Sai Kiran Vuyyuru (198T1A05C3), Dada Nagur Meera Vali Shaik (198T1A0598), Devi Priya Muvva (198T1A0574), Sai Tharun Mannam (198T1A0593) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.



Signature of the Guide
Dr G. Krishna Kishore
(Professor)

Signature of External Examiner


Signature of the HOD
Dr K. Sowmya
(Professor)

Place:

Date


Principal
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Ganguru, Vijayawada-521 139

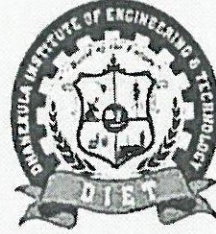
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Department of Computer Science and Engineering



CERTIFICATE

This is to certify that the project titled "Surveillance of Volcanoes Potency in Indiaby using Machine Learning and GIS Techniques" is the bonafide work carriedout by Swetha Chittmsetty (198T1A0518), Bindu Sravya Kotnani(198T1A0552) , Kashyap kalyan Miriyala (198T1A0562) , Akshay Dirisana (198T1A0524) students of B. Tech (CSE) of Dhanekula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for theaward of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any otherdegree, diploma, fellowship or anyother similar title.

P. Sudheer
Signature of the Guide
Mr. P.N.V.S.SUDHEER
(Assistant Professor)

Dr. Sowmya Koneru
Signature of the HOD
Dr. SOWMYA KONERU
(Professor)

Signature of the External

Dr. Sowmya Koneru
Principal
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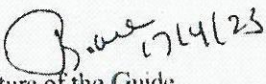
GANGURU, VIJAYAWADA (INDIA)-521139

Department Of Computer Science & Engineering




CERTIFICATE

This is to certify that the project titled “Prediction of Machine Failure System Using Machine Learning Techniques” is the bonafide work carried out by A.Keerthana(198T1A502), L.Jyothi Swaroop(198T1A0554), G.V.N.Ramya(198T1A0533) , G.Srikanth Reddy(198T1A0535) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNTUniversity, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

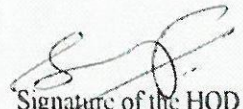

Signature of the Guide
Mrs.L.N.B.Jyotsna

(Assistant Professor)

Signature of the External



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Ganguru, Vijayawada-521 139


Signature of the HOD
Dr.K.Sowmya

(Professor)

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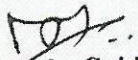
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Department Of Computer Science & Engineering

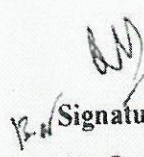



CERTIFICATE

This is to certify that the project titled "A Novel Approach for classifying the developing stages in Banana" is the bonafide work carried out by A.E.N.S.Bhuvana (198T1A508), K.Likitha(198T1A0543), CH.Mounika(208T5A0501), B.Syam Babu(198T1A0511) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNTUUniversity, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.


Signature of the Guide
Mrs. S. Naga Sindhu
(Assistant Professor)

Signature of the External


Signature of the HOD
Dr. Sowmya Koneru
(Head Of Department)

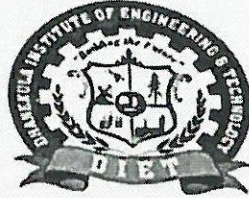

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Ganguru, Vijayawada-521 139

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CERTIFICATE

This is to certify that the project titled “AN EDUCATION CHATBOT” is the bonafide work carried out by Zeenathunnisa(208T5A0513),V.Jayalakshmi(208T5A0510),V.Sasi Durga (198T1A05B8),Y.Dharani kumar(198T1A05C6) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

Signature of the Guide

Dr. R.SATYA PRASAD
(Professor&Dean)

Place:

Date:

Signature of the HOD

Dr. K. SOWMYA
(HOD & Professor)

Head of the Department
Computer Science & Engineering
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru,Vijayawada-521 139

External Examiner

Signature of the Principal
Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru,Vijayawada-521 139

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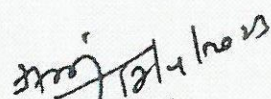
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CERTIFICATE

This is to certify that the project titled "Applications of Geospatial techniques along with ML for assessment of SOM in Krishna, AP" is the bonafide work carried out by Muttineni Sai Harsha (198T1A0573), Nukala Kalyani (198T1A0580), Naragam Pushpitha (198T1A0579), Yenni Kumari (198T1A05C5), Syed Sirajuddin (198T1A05A8) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of anyother degree, diploma, fellowship or anyother similar title.



Signature of the Guide

Dr. M. TANOON KUMAR
(Professor)

External Examiner



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DHANEKULA INSTITUTE
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Ganguru, Vijayawada-521 139


Signature of the HOD

Dr. K. SOWMYA
(HOD & Professor)

DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

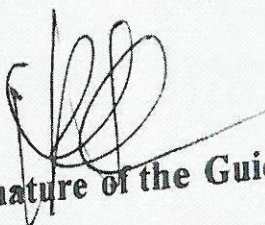
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CERTIFICATE

This is to certify that the project titled “Detection of Intrusions in Network using Machine Learning Algorithms” is the bonafide work carried out by S. JAHNAVI (198T1A05A4), P. YUVA RAJU (208T5A0509), R. CHANAKYA (198T1A0592), M. SUJITH BHANU (198T1A0571) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

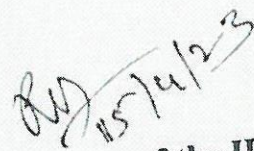

Signature of the Guide

Mr. M. RAVI KANTH
(Asst. Professor)

Signature of the
External



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Fr/Signature of the HOD
Dr. K. SOWMYA
(HOD & Professor)

Head of the Department
Computer Science & Engineering
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Department of Computer science and Engineering



CERTIFICATE

This is to certify that the project titled "Tesla Stock Price Prediction Using Regression Model" is the bonafide work carried out by Sowjanya Kolluri (198T1A548), Ramya Atluri (198T1A0505), Sai Nihith Chennupati (198T1A0515), Surya Teja Gurijala (198T1A0538) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP (India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

Principal
DHANEKULA INSTITUTE
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Ganguru, Vijayawada-521 139

Signature of the Guide
Mr. T. Narasimha Rao
(Assistant Professor)

Signature of the External

Signature of the HOD

Dr. K. Sowmya
(Professor)

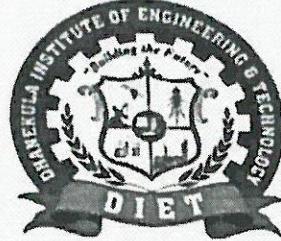
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(Affiliated to JNTU: Kakinada, Approved by AICTE - New Delhi)

Programs Accredited by NBA: B. Tech in CE, CSE, MEC, ECE & EEE

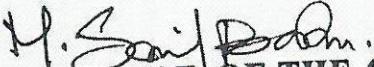
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GANGURU, A.P. (INDIA) – 521139



CERTIFICATE

This is to certify that the project titled “LIVER CANCER DETECTION USING ML TECHNIQUES” is the bonafide work carried out by MOHAMMED FARHEEN (198T1A0569), PASUPULETI HARSHITHA (198T1A0583), NANNAPANENI PUJITHA (198T1A0578), SHAIK LOUISHA (198T1A05A0) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.



SIGNATURE OF THE GUIDE

Dr. M. SUNIL BABU
(Professor)


SIGNATURE OF THE HOD

Dr. K. SOWMYA
(HOD & Professor)

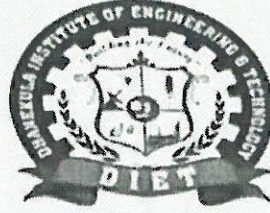

EXTERNAL EXAMINER


Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

GANGURU, A.P. (INDIA) - 521139

(AFFILIATED TO JNTUK, KAKINADA, ANDHRA PRADESH (INDIA))



CERTIFICATE

This is to certify that the project titled —**Predication of Drugs in Sentiment Analysis Using Machine Learning Techniques** is the bonafide work carried out by VALLURI SAI PRASANNA (198T1A05B6), VALLURI SHALINI (198T1A05B7), PONUGOTI THIRUMALA SAI SRIRAM (198T1A0589), SURAPANENI VENKATA SAI KRISHNA (198T1A05A6) a student of B.Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP (India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

V.V.
Signature of the Guide Signature of External Examiner *[Signature]* / 15/4/23
Signature of HOD

Dr. V. Sreenivas

(Associate Professor)

Dr. K. Sowmya

(Professor)

Head of the Department
Computer Science & Engineering
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

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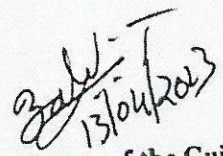
[Signature]
Principal
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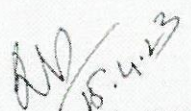


CERTIFICATE


This is to certify that the project titled "ENHANCEMENT OF SECURITY SYSTEM USING ARDUINO AND FACIAL POINTS" is the Bonafide work carried out by **CHANDRA SEKHAR PEDASINGU** (208T5A0508), **JAYANTH KUMAR TUMMALACHARLA** (198T1A05B3), **ALEKHYA VARRE** (198T1A05B9), **CHARMIKA SANIKOMMU** (198T1A0594) students of B.Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP (India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title


13/04/2023
Signature of the Guide

Dr. THATI BALA MURALI KRISHNA
(Professor)

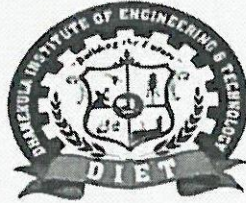

15.4.23
Signature of the HOD
Dr. KONERU SOWMYA
(HOD & Professor)

EXTERNAL EXAMINER


Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Affiliated to JNTU: Kakinada, Approved by AICTE)
GANGURU, A.P. (INDIA) – 521139



CERTIFICATE

This is to certify that the project titled “Counterfeit Currency Detection using Machine Learning” is the bonafide work carried out N. Sailaja(198T10576) MD.Afrin(198T1A0568), Y.Pratyusha(208T5A0511), M.SaiReethika(198T1A0567) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

Signature of Guide

M. SUSMITHA

(ASSISTANCE. PROFESSOR)

Place:
Date:

Signature of External Examiner

Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

Signature of the HOD

Dr.K.SOWMYA

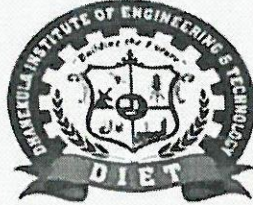
(PROFESSOR)

Head of the Department
Computer Science & Engineering
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

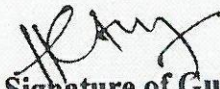
(Affiliated to JNTU: Kakinada, Approved by AICTE)

GANGURU, A.P. (INDIA)



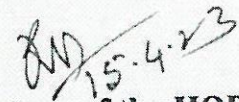
CERTIFICATE

This is to certify that the project titled "AVERAGE FUEL CONSUMPTION FOR HEAVY VEHICLES USING MACHINE LEARNING TECHNIQUES" is the bonafide work carried out by P.KHAJA MOHIDDIN KHAN (208T5A0507), V.KEERTHI SRI(198T1A05C0), V.THANUJA (198T1A05C2), K. SAI NAVEEN (208T5A0506) students of B.Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology(Computer Science& Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.


Signature of Guide

Mr. H. Gautam
(Assistant Professor)

Signature of External Examiner


Signature of the HOD

Dr K. Sowmya
(HOD&Professor)

Place: Ganguru

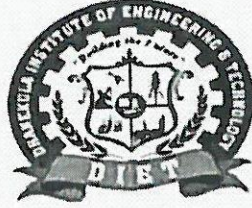
Date: 15/04/23



Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

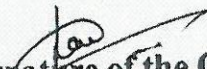
DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(AFFILIATED TO JNTU: KAKINADA, Approved by AICTE)
GANGURU, A.P. (INDIA) – 521139

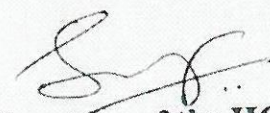


CERTIFICATE

This is to certify that the project titled “Predicting the Best Suitable Mode of Childbirth Using Machine Learning Algorithms ” is the bonafide work carried out by Jhansi Priya Murella (198T1A0572), Harsha Vardhan Nalluri (198T1A0577) , Sai Chandu Mulukuri (198T1A0570) , Nikhila Naidu Thota (198T1A05B1) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.



Signature of the Guide

Mrs. V. LAVANYA
(Assistant Professor)

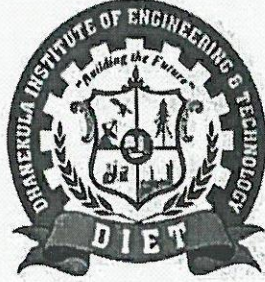

Signature of the HOD

Dr. SOWMYA KONERU
(Professor)

Signature of the External
Examiner

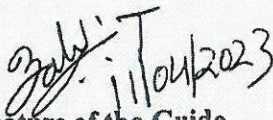

Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

DHANEKULA INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE-New Delhi Affiliated TO JNTUK- Kakinada)
NAAC Accredited & an ISO 9001-2015 Certified Institution
GANGURU, VIJAYAWADA (INDIA) – 521139

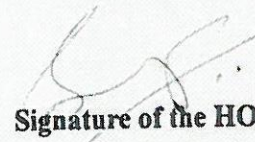


CERTIFICATE


This is to certify that the project titled “Detecting Objects Using Android Application” is the bonafide work carried out by SUNKAVALLI LAKSHMI DEVI (198T1A05A5), SUREDDY CHATURYA (198T1A05A7), TANURI INDRAJA (198T1A05B0), YERUKONDA KRISHNA VAMSI (208T5A0512) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title


Signature of the Guide

Dr. THATI BALA MURALI KRISHNA
(Professor)


Signature of the HOD
Dr. KONERU SOWMYA
(HOD & Professor)

EXTERNAL EXAMINER


Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

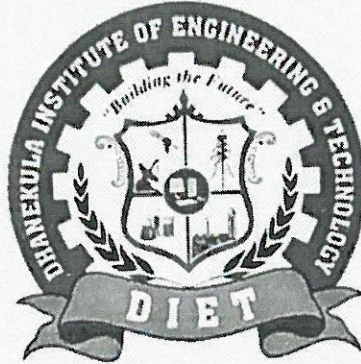
DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Affiliated to JNTU: Kakinada, Approved by AICTE – New Delhi)

Programs Accredited by NBA: B. Tech in CE, CSE, MEC, ECE & EEE

NAAC Accredited & An ISO 9001 – 2015 Certified Institution

GANGURU, A.P. (INDIA) – 521139



CERTIFICATE

This is to certify that the project titled “FUTURE PREDICTION OF BRAIN STROKE USING MACHINE LEARNING” is the bonafide work carried out by P LAKSHMI NARASIMHA (198T1A0584), P NAGA TEJENDRA (198T1A0587), T MADHU BHAVANI (198T1A05B4), P SRI HARSHITH (198T1A0590) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

SIGNATURE OF THE GUIDE

Dr. G. KRISHNA KISHORE
(Professor)

SIGNATURE OF THE HOD

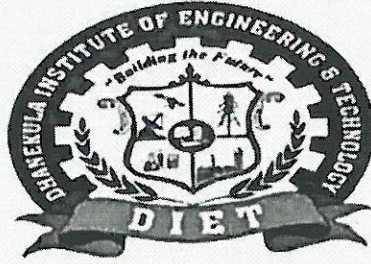
Dr. K. SOWMYA
(HOD & Professor)

EXTERNAL EXAMINER

III


Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

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(Approved by AICTE-New Delhi, Permanent Affiliated TO JNTU-Kakinada)
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Ganguru, Vijayawada – 521139



CERTIFICATE

This is to certify that the project titled “Virtual Assistant for college website using python” is the bonafide work carried out by Sk Karimulla (198T1A0599), Y. Siva Naga Pavani (198T1A05C4), P. Venkata Sai Sudheer (198T1A0585), Sk. Shamin (198T1A05A2) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.


Signature of the Guide

Dr.CH.Suresh Babu
(Associate Professor)

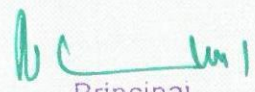

Signature of the HOD

Dr.K.Sowmya
(Professor)

Signature of the External Examiner

Place :

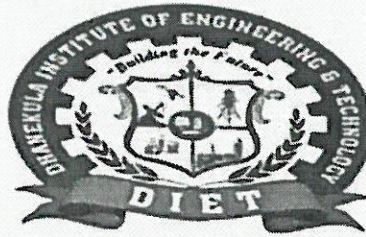
Date :


Principal
DHANEKULA INSTITUTE
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Ganguru, Vijayawada-521 139

DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Affiliated to JNTU: Kakinada, Approved by AICTE)

GANGURU, A.P. (INDIA) - 521139

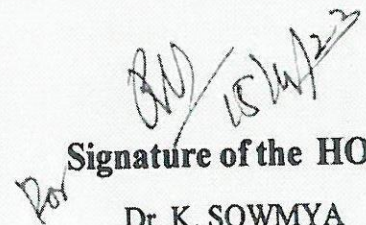


CERTIFICATE

This is to certify that the project titled "RICE CROP DISEASE RECOGNITION USING DEEP LEARNING" is the bonafide work carried out by Shaik Afreen Fathima (198T1A0596), Tulluri Vineetha (198T1A05B2), SreeRama Sriya (198T1A05A3), Ummadisetty Jala Mahesh (198T1A05B5) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of anyother degree, diploma, fellowship or any other similar title.


Signature of the Guide

Dr. K. SANDEEP
(Associate Professor & HOD)

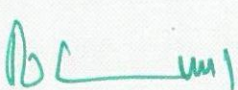

Signature of the HOD

Dr. K. SOWMYA
(HOD & Professor)
Head of the Department

External Examiner Computer Science & Engineering
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

Place:

Date:


Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE-Delhi, Affiliated TO JNTU-Kakinada)

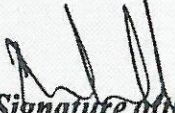
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CERTIFICATE

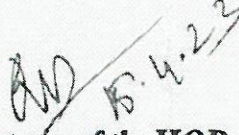
This is to certify that the project titled "Waste Reusing And Recycling Implementation Using OpenCv And DNN" is the bonafide work carried out by Jaya Siva Parvathi Veeranki (198T1A05C1), Janani Mareedu(198T1A0566), Sameer Shaik(198T1A05A1), Vamsi Polaka (198T1A0588) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.


Signature of the Guide

Mrs. N. SRILAKSHMI
(Assistant Professor)

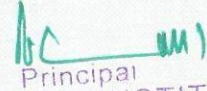
Place: *Ganguru*

Date: *15/4/23*


Signature of the HOD

Dr. K. SOWMYA
(HOD & Professor)
Head of the Department
Computer Science & Engineering
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

External Examiner


Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

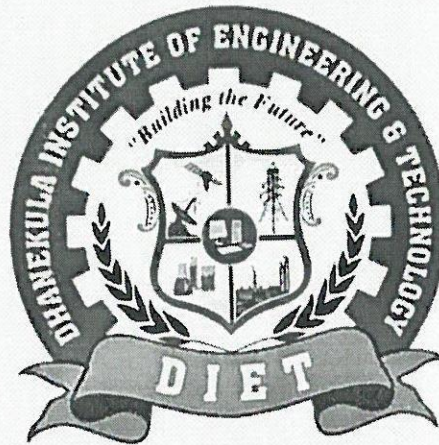
DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Affiliated to JNTU: Kakinada, Approved by AICTE – New Delhi)

Programs Accredited by NBA: B. Tech in CE, CSE, MEC, ECE & EEE

NAAC Accredited & An ISO 9001 – 2015 Certified Institution

GANGURU, A.P. (INDIA) – 521139



CERTIFICATE

This is to certify that the project titled "SEED TESTING TO IMPROVE CULTIVATION USING ANDROID APPLICATION" is the bonafide work carried out by P SREE RAMYA (198T1A0586), S V L RASAGNA (198T1A0595), P ROSE (198T1A0581), T GURUCHARAN (198T1A05A9) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of anyother degree, diploma, fellowship or any other similar title.



SIGNATURE OF THE GUIDE

Dr. K. SOWMYA
(HOD & Professor)


SIGNATURE OF THE HOD

Dr. K. SOWMYA
(HOD & Professor)

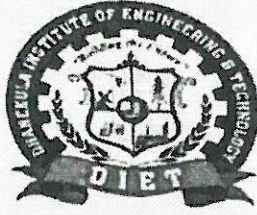
EXTERNAL EXAMINER


Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Affiliated to JNTU: Kakinada, Approved by AICTE)

GANGURU, A.P. (INDIA) – 521139



CERTIFICATE

This is to certify that the project titled “Conveyance Of Data By Using Image Steganography” is the bonafide work carried out by A KEERTHI SRI (198T1A0501), D HARSHITHA (198T1A0525), K AKASH (198T1A0542), M RAGHU VAMSI (198T1A0561) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

Signature of the Guide

Mrs .S. NAGA SINDHU
(Assistant Professor)

Signature of External

Signature of the HOD
Dr. K. SOWMYA
(HOD and Professor)

Place:

Date:

Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

DHANEKULA INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved By AICTE-New Delhi, Permanently Affiliated TO JNTU-Kakinada)

NAAC Accredited & an ISO 9001-2015 Certified Institution

GANGURU, VIJAYAWADA (INDIA)-521139

Department Of Computer Science & Engineering



CERTIFICATE

This is to certify that the project titled "Automatic Answer Evaluation process using NLP" is the bonafide work carried out by G. Hemalatha (198T1A0532), E. Harshitha (208T5A0503), K. Kavya (198T1A0544), Ch. Ramu (198T1A0514) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2021-22, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.


Signature of the Guide

Dr. Sowmya Koneru
(Professor)


Place:

Date :


Signature of the external


Signature of the HOD

Dr. Sowmya Koneru
(Professor)


Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

DHANEKULA INSTITUTE OF ENGINEERING AND TECHNOLOGY
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NAAC Accredited & an ISO 9001-2015 Certified Institution

GANGURU, VIJAYAWADA (INDIA)-521139

Department Of Computer Science & Engineering



CERTIFICATE

This is to certify that the project titled "Vertical Text Analysis Using CRNN " is the bonafide work carried out by D. Sri Gayatri Sumana (198T1A0528), Kavuri. Venu (208T5A0505), CH. Maneesha (198T1A0513), D. Harsha Vardhan (198T1A0526) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

Signature of the Guide

Dr. M. ARUNA SAFALI

(Associate Professor)

Signature of the external

Signature of HOD

DR.SOWMYA KONERU

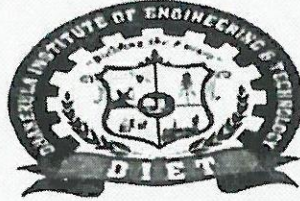
(HOD & Professor)

iii

Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

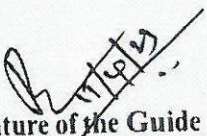
DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY
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Accredited & an ISO 9001-2015 Certified Institution GANGURU,
VIJAYAWADA (INDIA) - 521139

Department of Computer Science and Engineering



CERTIFICATE

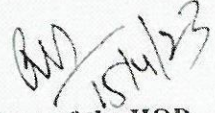
This is to certify that the project titled “**Identification Of Software Bugs Using Machine Learning Technique**” is the bonafied work carried out by **A.D.N.S.Manogjna(198T1A503), CH.Kavya(198T1A0517),B.YaminiChaitanya(198T1A0509),G.Gayathri(198T1A0536)** students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNTUniversity, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.


Signature of the Guide

Mr.R.Seetharam

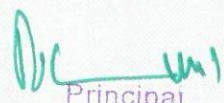
(Assistant Professor)

Signature of the External


Signature of the HOD

Dr.K.Sowmya

(Professor)

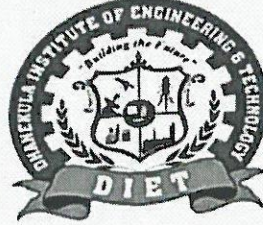

Principal
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DHANEKULA INSTITUTE OF ENGINEERING AND TECHNOLOGY
Approved By AICTE-New Delhi, Permanently Affiliated TO JNTU-Kakinada)

NAAC Accredited & an ISO 9001-2015 Certified Institution

GANGURU, VIJAYAWADA (INDIA)-521139

Department Of Computer Science & Engineering



CERTIFICATE

This is to certify that the project titled "FORECASTING OF CROP YIELD USING ANN REGRESSOR MODEL" is the bonafide work carried out by A.Yasaswi-198T1A0504, G.Bhanuprakash-198T1A0537, K. Sai Madhav-198T1A0549 , B.Bhargavi-198T1A0510 students of B.Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

Signature of the Guide

Dr. G. Krishna Kishore
(professor)

Signature of the External

Signature of the HOD

Dr. Sowmya Koneru
(professor)

iii

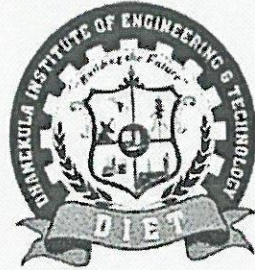
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Department Of Computer Science & Engineering



CERTIFICATE

This is to certify that the project titled "Sparse Based Visual Object Tracking" is the bonafide work carried out by G.Hyndavi(198T1A539), M.Sravani(198T1A0558), Ch.Nikhitha(198T1A0516), D.Navya(198T1A0521) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNTUniversity, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

RS
15/4/23
Signature of the Guide

Dr.R.SatyaPrasad
(Professor)

Signature of the External

Dr.K.Sowmya Koneru
Signature of the HOD

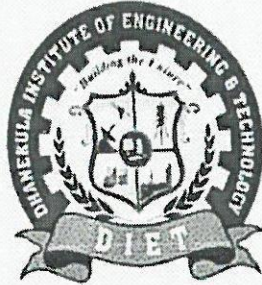
Dr.K.Sowmya Koneru
(Professor)

Dr. C. S. Kumar

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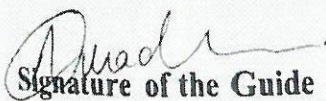
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Department Of Computer Science & Engineering



CERTIFICATE

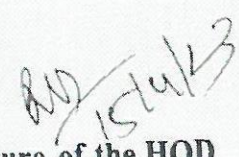
This is to certify that the project titled "Thief Detection through Robust posture-based Multiview Gait Recognition using GCNN" is the bonafide work carried out by G. Samuel (198T1A0531), D. Sravani (208T5A0502), K. Hemanth Naga Venkata Sai (198T1A0545) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2021-22, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of anyother degree, diploma, fellowship or any other similar title.


Signature of the Guide

Mrs. N. Madhuri

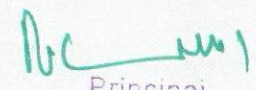
(Assistant Professor)

Signature of the external


Signature of the HOD

Dr. Sowmya Koneru

(Professor)


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Department Of Computer Science & Engineering



CERTIFICATE

This is to certify that the project titled “A LIGHTWEIGHT SECURE DATA SHARING SCHEME FOR MOBILE CLOUD COMPUTING” is the bonafide work carried out by M. Mani Saradhi (198T1A0556), K. Praneeth (198T1A0553) , G. Kalyan Kumar (198T1A0534), A. Lakshmi Kantha Reddy (198T1A0506) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.



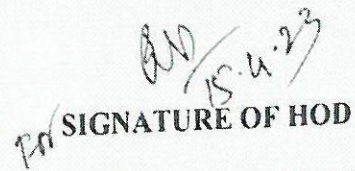
SIGNATURE OF THE GUIDE SIGNATURE OF EXTERNAL

Mrs. K.V. Kiranmai

(Assistant Professor)



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SIGNATURE OF HOD

DR. SOWMYA KONERU

(Professor)

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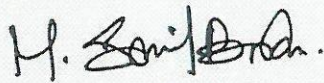
GANGURU, VIJAYAWADA (INDIA)-521139

Department Of Computer Science & Engineering



CERTIFICATE

This is to certify that the project titled "Music Recommendation through Facial Emotion Detection using Deep Learning" is the bonafide work carried out by Keerthi Akshaya Venigalla(198T1A546), Mareedu Jahnvi(198T1A0557), Meduri Lasya (198T1A0560), Gangiseti Devi Varaprasad (208T5A0504) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

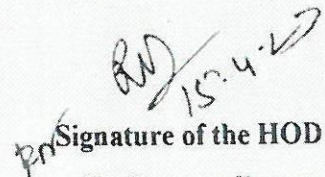


Signature of the Guide

Dr. M. Sunil Babu

(Professor)

Signature of the External



Signature of the HOD

Dr. Sowmya Koneru

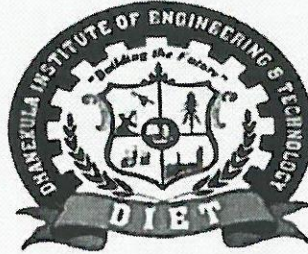
(Head of the Department)



Principal

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CERTIFICATE



This is to certify that the project titled "Food Classification and Calorie Measurement Using CNN Algorithm" is the bonafide work carried out by Manasa Devu(198T1A0523),Vyshnavi Yenumula(198T1A0564),Sai Sravani Datla(198T1A0522),Giridhar Nallamothu(198T1A0563) students of B.Tech(CSE) of DhaneKula Institute of Engineering and Technology, affiliated to JNT University, Kakinada,AP(India)during the academic year 2022-23,in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology(Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree,diploma,fellowship or any other similar title.

Signature of the Guide

Dr.M.Aruna Safali
(Associate Professor)

Signature of the External

Dr.Sowmya Koneru
(Professor)

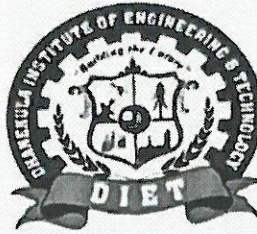
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CERTIFICATE

This is to certify that the project titled "Burned Calorie Prediction Using Supervised Machine Learning" is the bonafide work carried out by E. Sai Teja (198T1A529), G. Prashanth (198T1A0540), D. Jahalya (198T1A0520), K. Ramanuja (198T1A0551) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

Signature of the Guide

Dr. G. Krishna Kishore
(professor)

Signature of the External

Signature of the HOD

Dr. Sowmya Koneru
(professor)

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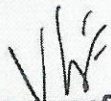
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CERTIFICATE

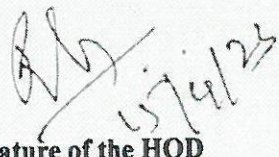
This is to certify that the project titled “Lung Cancer Detection for CT Scan Images using CNN Algorithm” is the bonafide work carried out by G.Anupoojitha (198T1A0530), A.Triveni (198T1A0507), CH.Snowja (198T1A0519), K.Sathvika (198T1A0547) Students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship, or any other similar title.


Signature of the Guide

Dr.V.Sreenivas

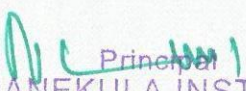
(Associate Professor)

Signature of the External


Signature of the HOD

Dr.Sowmya Koneru

(Professor)


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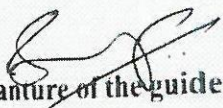
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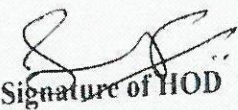
CERTIFICATE

This is to certify that the project titled "Driver Drowsiness Prediction By Using An openCV" is the Bonafide work carried out by Dodda Mani Sai Kapil(198T1A0527),Challa, Sai Sindhu (198T1A0512), Konaparthi Naga Nikhil(198T1A0550) students of B. Tech (CSE) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2021-22, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Computer Science & Engineering) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.



Signature of the guide

Dr.Sowmya Koneru
(professor)

Signature of external


Signature of HOD

Dr.Sowmya Koneru
(professor)


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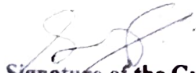
GANGURU, VIJAYAWADA (INDIA) – 521139


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CERTIFICATE

This is to certify that the project titled “MONITORING OF CROP HEALTH IN AQUACULTURE USING IOT AND DEEP LEARNING” is the bonafide work carried out by **B.Teja Vamsi (198T1A1206)**, **P.Mahesh Babu (198T1A1236)**, **T.Tejaswini (198T1A1247)**, **CH.Bhavya (198T1A1209)** a student of B.Tech (IT) of DhaneKula Institute of Engineering & Technology, affiliated to JNTU, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Information Technology) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.


Signature of the Guide
Dr. K. SOWMYA Ph.D
Professor


Signature of the HOD
Dr. K. SANDEEP M.S. Ph.D
Associate Professor & Head


Signature of External Examiner


Principal
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Department of Information Technology



CERTIFICATE

This is to certify that the project titled "Air Quality Prediction using Machine Learning Algorithms" is the bonafide work carried out by **Ponnaganti Sirisha (198T1A1238)**, **Vemula B S Sai Raja (198T1A1254)**, **Kommuri Jagannadh (198T1A1220)** students of B.Tech (INF) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Information Technology) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

Signature of the Guide

Dr. K. SANDEEP M.S., Ph.D.

(Associate Professor & Head)

Signature of the HOD

Dr. K. SANDEEP M.S., Ph.D.

(Associate Professor & Head)

Signature of External Examiner

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VIJAYAWADA (INDIA) – 521139

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CERTIFICATE

This is to certify that the project titled “**SMART SUPPORTING SYSTEM FOR BLIND PEOPLE USING DEEP LEARNING**” is the bonafide work carried out by **A.Sirisha (198T1A1202), S.NITHISH (198T1A1245), A.SOHAL AKTHAR (198T1A1201), V.LOHITHA (198T1A1253)** a student of B.Tech (IT) of DhaneKula Institute of Engineering & Technology, affiliated to JNTU, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Information Technology) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.


Signature of the Guide

Ms. CH. Lavanya Susanna M.Tech(Ph.D)


(Assistant Professor)


Signature of the HOD

Dr. K. Sandeep M.S, Ph.D

(Associate Professor & Head)


Signature of External Examiner


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CERTIFICATE

This is to certify that the project titled “Time and Workflow Management” is the bonafide work carried out by Vasana Naga Surekha (198T1A1251), Pasupuleti Sunil Kumar (198T1A1257), Syed Mehataj (198T1A1246), Golla Balu Tulasi Prakash (198T1A1216) students of B.Tech (INF) of Dhanekula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Information Technology) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.


Signature of the Guide

Dr. K. SOWMYA M.Tech., Ph.D.
(Professor)


Signature of the HOD

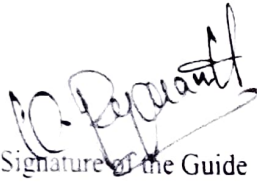
Dr. K. SANDEEP M.S., Ph.D.
(Associate Professor & Head)


Signature of External Examiner


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This is to certify that the project titled "Vehicle Accident Information Storage Container" is the bonafide work carried out by **K.V.V.Sai Varma(198T1A1225)**, **R.Praneetha (198T1A1240)**, **P. Sree Kavya(198T1A1239)** **M.Jagadeesh(198T1A1230)** students of B. Tech (IT) of Dhanekula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Information Technology) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.




Signature of the Guide

Mr. K. Prasanth Kumar
Mtech(Ph.D)
(Assistant Professor)



Signature of the HOD

Dr. K. Sandeep M.S, Ph.D
(Professor)



Signature of the External

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CERTIFICATE

This is to certify that the project titled “Determining and the Vigilance of Road Accident Hotspots using Machine Learning Techniques” is the bonafide work carried out by CH. Rajya Lakshmi (198T1A1208), B. Neelaveni (198T1A1203), K.P.Satya Kiran (198T1A1222), CH.Deepak Chowdary (198T1A1213) students of B. Tech (IT) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Information Technology) and that the project has not formed the basis for the award previously of anyother degree, diploma, fellowship or anyother similar title.


Signature of the Guide
Mr. P. Raghuvver M.S, (Ph.D)
(Assistant Professor)


Signature of the HOD
Dr. K. Sandeep M.S, Ph.D
(Associate Professor & Head)


Signature of the External


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This is to certify that the project titled “APPLICATION OF SMAP IMAGES IN PREDICTING CROPS BY USING MACHINE LEARNING ALGORITHMS” is the bonafide work carried out by **K. Meghana (198T1A1218), R. Krishna Sowmya (198T1A1241), K. Siva Krishna (198T1A1219), B. Sri Krishna (198T1A1204)**, a student of B.Tech (IT) of DhaneKula Institute of Engineering & Technology, affiliated to JNTU, Kakinada, AP (India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Information Technology) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.


Signature of the Guide

Ms. V. Rohini M.Tech.

(Assistant Professor)




Signature of the HOD

Dr. K. Sandeep M.S., Ph.D

(Associate Professor & Head)


Signature of External Examiner



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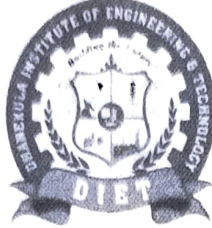
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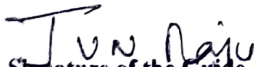
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CERTIFICATE

This is to certify that the project titled “AN INTRUSION DETECTION MODEL FOR FORECASTING INSULIN DOSAGE” is the bonafide work carried out by **M.Laswee Grace(198T1A1229)**, **T.Lokesh Kumar (198T1A1249)**, **G.Anjani (198T1A1215)**, **S.Surya (198T1A1244)** students of B.Tech (IT) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Information Technology) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.


Signature of the Guide

Mr. J.V. N Raju M. Tech, (Ph. D)

(Assistant Professor)


Signature of the HOD

Dr K. Sandeep M.S, PhD

(Associate Professor & Head)


Signature of External Examiner


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CERTIFICATE

This is to certify that the project titled "APPLICATION OF SAR IMAGES IN ICEBERG CLASSIFICATION BY USING CONVNET-2" is the bonafide work carried out by **P. Rama Tejaswini (198T1A1234)**, **S. Visweswara Rao (198T1A1242)**, **SK. Aseef (198T1A1243)**, **V. Kathyayini Karishma (198T1A1250)**, a student of B.Tech (IT) of DhaneKula Institute of Engineering & Technology, affiliated to JNTU, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology(Information Technology) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

Signature of the Guide

Ms. V. Rohini M.Tech.

(Assistant Professor)

Signature of the HOD

Dr. K. Sandeep M.S, Ph.D

(Associate Professor & Head)

Signature of External Examiner

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This is to certify that the project titled “COMMENT CLASSIFICATION USING SENTIMENT ANALYSIS” is the bonafide work carried out by **N. Hema Latha (198T1A1233)**, **Ch. Rushitha (198T1A1211)**, **D. Sai Prasanth Babu (198T1A1212)**, **K. Kalyan (198T1A1223)**, a student of B.Tech (IT) of DhaneKula Institute of Engineering & Technology, affiliated to JNTU, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Information Technology) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

Signature of the Guide

Mr. K. Prasanth Kumar M.Tech.,(Ph.D)

(Assistant Professor)

Signature of the HOD

Dr. K. Sandeep M.S, Ph.D

(Associate Professor & Head)

Signature of External Examiner

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CERTIFICATE

This is to certify that the project titled "SIGN LANGUAGE TRANSLATOR USING DEEP LEARNING" is the bonafide work carried out by N. Greeshma (198T1A1232), MD. Abdul Samad (198T1A1231), K. Mukesh (198T1A1221), Bibi Jainab (198T1A1205) students of B.Tech (IT) of Dhanekula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Information Technology) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.


Signature of the Guide

Mr. J. V. N Raju M.Tech, (Ph.D)


Assistant Professor


Signature of the HOD

Dr. K.SANDEEP M.S, Ph.D


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This is to certify that the project titled "" is the bonafide work carried out by Vunnam Eswar handu(19811A1156), Chagarlamudi Haashutha(19811A1207), Venna NavyaSree(19811A1255) and Jun Ganesh(19811A1214) students of B Tech (IT) of DhaneKula Institute of Engineering & Technology, affiliated to JNT University, Kakinada, AP(India) during the academic year 2022-23, in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology (Information Technology) and that the project has not formed the basis for the award previously for any other degree, diploma, fellowship or any other similar title.


Signature of the Guide

Ch. Ramesh Kumar (Mtech)
Assistant Professor)


Signature of the HOD

Dr. K. Sandeep M.S. Ph.D
(Professor)


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CERTIFICATE

This is to certify that the project titled "VEHICLE PATTERN RECOGNITION USING MACHINE & DEEP LEARNING TO PREDICT CAR MODEL" is the bonafide work carried out by P.V.N. Anil Kumar Chowdary (198T1A1237), T. Kamala Sree Valli (198T1A1248), P. Hari Priya (198T1A1235), V. Sai Kumar (198T1A1252) students of B.Tech (IT) of DhaneKula Institute of Engineering and Technology, affiliated to JNTU, Kakinada, AP(India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Information Technology) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.


Signature of the Guide

Ms. Ch. Lavanya Susanna M.Tech(Ph.D)

(Assistant Professor)



Signature of the HOD

Dr. K. Sandeep M.S, Ph.D.

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Signature of the External

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CERTIFICATE

This is to certify that the project titled “CHILD PREDATOR DETECTION SYSTEM ON SOCIALMEDIA” is the bonafide work carried out by **M.Raghavamma (198T1A1228), G. Mahitha (198T1A1217), K. Venkatesh (198T1A1224), M.Deva Kumar (198T1A1227)** a student of B.Tech (INF) of DhaneKula Institute of Engineering & Technology, affiliated to JNTU, Kakinada, AP (India) during the academic year 2022-23, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology (Information technology) and that the project has not formed the basis for the award previously of any other degree, diploma, fellowship or any other similar title.

Signature of the Guide

Ms. P. Kamakshi M.Tech.

(Assistant Professor)

Signature of the HOD

Dr. K. Sandeep M.S., Ph.D

(Associate Professor & Head)

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