

GIET ENGINEERING COLLEGE

(Approved by AICTE, New Delhi Accredited by NAAC, Affiliated to
JNTUK, Kakinada.)

Rajahmendravaram, 533101, E.G Dist.,

Andhra Pradesh

2018-2022



GIET ENGINEERING COLLEGE

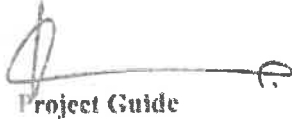
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DEPARTMENT OF CIVIL ENGINEERING

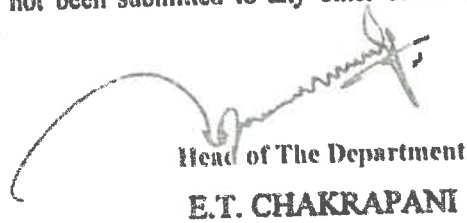
CERTIFICATE

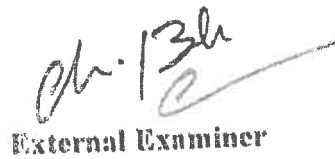
This is to Certify that the project entitled "EFFECT OF MOLARITY CONCENTRATION ON THE COMPRESSIVE STRENGTH OF GEOPOLYMER CONCRETE" is being submitted for the partial Fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING at GIET Engineering College RAJAMAHENDRAVARAM, is a bono-fide work carried by JUTHIGA REVATHI (19T95A0103), TELAGAMREDDI SUNEETHA (18T91A0113), SESETTI SADHA SUSMITHA (18T91A0115), IMMANDI UMESH VAS (18T91A0105), PERALA TEJA (19T95A0113) under the guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirements of the university.

The result embodied in this thesis have not been submitted to any other university or institute for the award of any degree.


Project Guide

A.M.N. KASHYAP


Head of The Department
E.T. CHAKRAPANI


External Examiner

II


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

CERTIFICATE

This is to certify that following students has satisfactorily completed and delivered a project seminar report entitled "PERFORMANCE ASPECTS OF TERNARY BLENDED GEO POLYMER CONCRETE" submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of engineering in **CIVIL ENGINEERING** at **GIET Engineering R.AJAHMAHENDRAVARAM**.

1. PERAPU LOKESH SAI PAVAN	ROLL NO: 1ST91A0111
2. MOHAMMAD SHAFI UDDIN	ROLL NO: 1ST91A0116
3. TATIPUDI MANIKANTA	ROLL NO: 19T95A0112
4. MALLEMOGGALA CHARAN TEJA	ROLL NO: 1ST91A0109


During the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of the university. The result embodied in this thesis have not been submitted to any other university or institute for the award of any degree.


Guide

G. PREMASWATHI

Head of Department

E.T. CHAKRAPANI


External Examiner


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ANDHRA PRADESH-533101.

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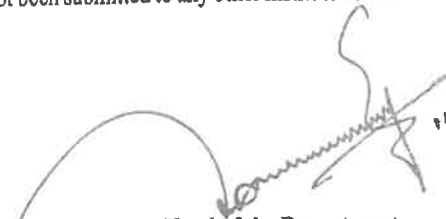
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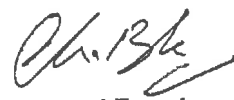
CERTIFICATE

This is to certify that this work entitled " **EXPERIMENTAL INVESTIGATIONS ON PARTIALLY REPLACED BAUXITE SLAG BASED CONCRETE STRENGTH CHARACTERISTICS** "is being submitted for the partial Fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** at GIET Engineering College RAJAHMAHENDRAVARAM, is a bona- fide work carried by S. SAMBA SIVA RAO (19T95A0108), K. HEMANTH KUMAR (18T91A0106), V. SAI TEJA (19T95A0110), K. NAGA RAJU (19T95A0111) under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirements of the university.

The result embodied in this project has not been submitted to any other institute for the award of any degree.


Project Guide


Head of the Department


External Examiner



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DEPARTMENT OF CIVIL ENGINEERING



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CERTIFICATE


This is to certify that this work entitled "A STUDY ON STRENGTH PROPERTIES OF PARTIALLY REPLACED RED MUD SILICA FUME BLENDED M₂₀ GRADE CONCRETE " is being submitted for the partial Fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** at **GIET Engineering College RAJAHMAHENDRAVARAM**, is a bona-fide work carried by **S. Abu Bakar Siddiqui (18T91A0112)**, **K. Suresh (18T91A0108)**, **K. Ch. Aravind (19T95A0105)**, **M. Lavanya (19T95A0107)** under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirements of the university.

The result embodied in this project have not been submitted to any other institute for the award of any degree.


Project Guide


Head of The Department


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Rajamahendravaram 533101, E.G Dt, AP

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that following students has satisfactorily completed and delivered a project seminar report entitled "PREDICTION OF SETTING AND STRENGTH CHARACTERSTIC OF BINARY BLENDED GEOPOLYMER MORTAR" submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of engineering in **CIVIL ENGINEERING** at **GIET Engineering RAJAHMAHENDRAVARAM**.

CHEEKATLA JAGA LALITHA DEVI	18T91A0103
KANDREGULA SAI BHAVANI	18T91A0107
OLETI SATISH VARMA	18T91A0110
ANUMOLU KUMARI	19T95A0101
BASSA VEERABABU	19T95A0102

During the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of the university. The result embodied in this thesis have not been submitted to any other university or institute for the award of any degree.

Guide


G.PREMASWATHI

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DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that this work entitled "INFLUENCE OF MINERAL ADMIXTURE PROPORTION ON STRENGTH PROPERTIES OF GEOPOLYMER CONCRETE" is being submitted for the partial Fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** at **GIET Engineering College RAJAHMAHENDRAVARAM**, is a bona-fide work carried by **CH.LOKESWARI (18T91A0104)**, **B.V.S.PHANI VARUN (18T91A0102)**, **B.ACHUYH (18T91A0101)**, **V.CHAKRAVATHI (18T91A0114)**, **M.NAGAKUMARI (19T95A0106)** under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirements of the university.

The result embodied in this thesis have not been submitted to any other university or institute for the award of any degree.

Project Guide

A.M.N.KASHYAP

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E.T.CHAKRAPANI

External Examiner

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GIET ENGINEERING COLLEGE

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BONA FIDE CERTIFICATE

This is to certify that the project work entitled, "SMART EFFICIENT AND AUTOMATIC AIR QUALITY MAINTAINANCE FOR AIR CONDITIONED ROOMS", is bonafide work carried out by

G.MANIKANTA	19T95A0216
M.JAYACHANDRA	19T95A0205
K.SOBHAN BAB	19T95A0203
U.VEERABABU	19T95A0210
T.PRASANTH	18T95A0218

During the academic year 2021-2022 in partial fulfillment of requirements for the degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING from GIET Engineering College, affiliated to JNTU, Kakinada.

Mr.M.N.Saidulla
PROJECT GUIDE

Mr.B.Vamsi Krishna
HEAD OF THE DEPARTMENT
Head of the Department
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Certified that the Candidate was examined in the viva-voice examination held on 2/7/2022

(Internal Examiner)
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Affiliated to JNTU Kakinada, Approved by AICTE, New Delhi
Rajahmundry, East Godavari District
Andhra Pradesh - 533294

BONAFIDE CERTIFICATE

This is to certify that the project report entitled "INDUCTION MOTOR SPEED AND DIRECTION BY USING IR REMOTE" is a bonafide record of work of the following candidates carried out the project under my supervision during 2021-2022.

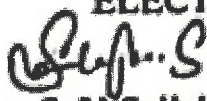
P. Shankar	19T95A0209
K. Ratna Bhargavi	19T95A0204
K. Siphora	18T91A0202
J. M. V.S. Sai kumar	19T95A0222
K. Shiva Sandeep	18T95A0208

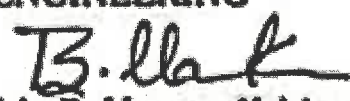
Dissertation submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

in

ELECTRICAL AND ELECTRONICS ENGINEERING


Mrs. S. V. Sailaja
Project Guide


Mr. B. Vamsee Krishna
Head of the Department
Head of the Department
Electrical & Electronics Engineering

Certified that the Candidate was examined in
held on 02.07.2022

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Principal

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Rajahmundry, East Godavari District, Andhra Pradesh - 533296

BONAFIDE CERTIFICATE

This is to certify that the project work entitled, "Advanced Foot Step Power Generation", is a Bonafide record of project work of the following candidates, who carried out the project work during 2021-2022

CH. Venkata Lakshmi	19T95A0215
M.S.V.Nagendra	19T95A0212
G. Samuel	19T95A0201
CH. Anusha	18T91A0201

Dissertation submitted in partial fulfillment of the requirements for the award of the degree of


BACHELOR OF TECHNOLOGY

In

ELECTRICAL AND ELECTRONICS ENGINEERING



INTERNAL GUIDE


Mr.G.Venkateswara Rao


HEAD OF THE DEPARTMENT

Mr.B.Vamsi Krishna
Head of the Department
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GIET ENGINEERING COLLEGE

Certified that the candidate was examined in the viva-voce examination on 09.07.2022
at CHAITANYA KNOWLEDGE CITY, RAJAHMUNDRY-533296.


Internal Examiner


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BONAFIDE CERTIFICATE

This is to certify that the project work entitled, "Prison Break Alert using IOT", is a Bonafide record of project work of the following candidates, who carried out the project work during 2021-2022

N. Satya Valbhav	19T95A0206
P. Ravi	19T95A0213
Y. Nagendra Kumar	19T95A0214
K. Manikanta	18T91A0203
K. Mohan Ganesh	19T95A0202

Dissertation submitted in partial fulfillment of the requirements for the award of the

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ELECTRICAL AND ELECTRONICS ENGINEERING



INTERNAL GUIDE

Mr. B. Vamsi Krishna




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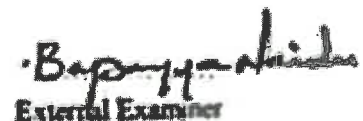
Certified that the candidate was examined in the viva-voce examination held on

21/7/2022



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Rajahmundry, East Godavari District, Andhra Pradesh -53124

BONAFIDE CERTIFICATE

This is to certify that the project work entitled, "Elliptical Trainer With Variable Electrical Loading And Generation Of Electricity", is a bonafide record of project work of the following candidates, who carried out the project work during 2021-2022.

P.V V S S M SURESH 19T95A0208

P. PRANAY VENKAT 19T95A0223

P. SYAM RAJU 19T95A0207

P. SAI TEJA 19T95A0219

Dissertation submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

in

ELECTRICAL AND ELECTRONICS ENGINEERING

INTERNAL GUIDE
Mr.G. Venkateswara Rao

Head of the Department,
HEAD OF THE DEPARTMENT
GIET Madhavani Krishna ET
Chaitanya Knowledge City,

NH-16, RAJAHMUNDRY-531 206

Certified that the Candidate was examined in the viva - voice examination held on 02.07.2022

Internal Examiner

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Rajahmundry, East Godavari District, Andhra Pradesh - 533296

BONAFIDE CERTIFICATE

This is to certify that the project work entitled, "Microcontroller Based Password Based Control System", is a Bonafide record of project work of the following candidates, who carried out the project work during 2021-2022

Ch.Sekhar	19T95A0211
M.M swamy	19T95A0217
P.Naga Varahalu	19T95A0221
M.Naga Sivunaryana	19T95A0218

Dissertation submitted in partial fulfillment of the requirements for the award of the

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ELECTRICAL AND ELECTRONICS ENGINEERING

INTERNAL GUIDE

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02.07.2022

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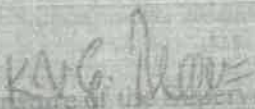
GIET ENGINEERING COLLEGE
CHAITANYA KNOWLEDGE CITY, RAJAMAHENDRAYARAM 522396
DEPARTMENT OF MECHANICAL ENGINEERING

BONAFIDE CERTIFICATE

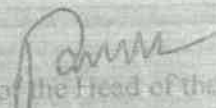
This is to certify that the Project report entitled "PREPARATION AND PROPERTIES EVALUATION OF VEGETABLE OIL BASED CUTTING FLUIDS" is a bonafide work carried out by

E. SURYA VAMSI	19T95A0322
B. SRINIVAS	19T95A0302
P. MANIVEERAKUMAR	19T95A0325
SK. IBRAHEEM	19T95A0317
V. WILLIAM ROBINS	18T91A0318

During the academic year 2021-22 is submitted to the faculty of Mechanical Engineering, in partial fulfilment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING from GIET Engineering College, Affiliated to Jawaharlal Nehru Technological University Kakinada, Kakinada.


Signature of the Supervisor

Mr. K. V. G. PRAVEEN M.Tech
Assistant professor,
Department of Mechanical Engineering,
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Rajamahendravaram - 533296.

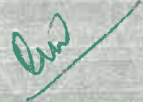

Signature of the Head of the Department

Mr. P. POORNA MOHAN M.Tech (Ph.D.)
Associate Professor & HOD,
Department of Mechanical Engineering,
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Rajamahendravaram - 533296.

External Viva-Voice held on 29/06/2022


Signature of the Internal Examiner


Signature of the External Examiner


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Chaitanya Knowledge City, NH-16, Rajamahendravaram-533296, A.P.

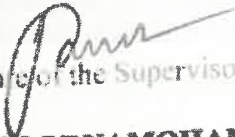
BONAFIDE CERTIFICATE

This is to certify that the project report entitled "Preparation of optimization on Dynamic Mechanical Analysis and Mechanical Properties with Mesocarp reinforced Polymer Composite by applying Response Surface Methodology" is a bonafide record of the project work done by

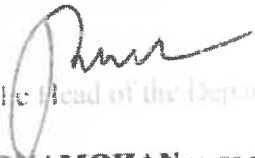
V. SAIKUMAR	(19T95A0319)
K. V.C KALI PRASAD	(19T95A0310)
P. HARI KUMAR	(19T95A0312)
P. RAM KUMAR	(19T95A0314)
J.P. KIRAN BHASKAR	(18T95A0313)

During the academic year 2021-22 is submitted to the faculty of Mechanical Engineering, in partial fulfilment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** from GIET Engineering College. Affiliated to Jawaharlal Nehru Technological University Kakinada, Kakinada.

Signature of the Supervisor

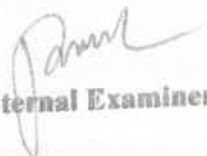

Mr. P. POORNAMOCHAN M. TECH (P.L.D)
Associate professor & HOD,
Department of Mechanical Engineering,
GIET ENGINEERING COLLEGE,
Rajamahendravaram - 533296.

Signature of the Head of the Department


Mr. P. POORNAMOCHAN M. TECH (P.L.D)
Head of Department,
Department of Mechanical Engineering,
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Rajamahendravaram - 533296.


External Viva-Voce conducted on 29/06/2022

Internal Examiner



External Examiner




Principal
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DEPARTMENT OF MECHANICAL ENGINEERING



GIET ENGINEERING COLLEGE
Rajahmundry, Andhra Pradesh www.gietec.ac.in

BONAFIDE CERTIFICATE

This is to certify that the Project report entitled "EXPERIMENTAL EVALUATION FOR THE PERFORMANCE OF C.I ENGINE BY DUAL FUEL OPERATION" is a bonafide work carried out

By,

A. APPLAKONDA

19T95A0332

B.Y.S. SANTOSH

18T91A0301

P. SATISH

19T95A0313

P. VENKATESH

18T91A0310

During the academic year 2020-21 is submitted to the faculty of Mechanical Engineering, in partial fulfilment of the requirements for the award of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING from GIET Engineering College, Affiliated to Jawaharlal Nehru Technological University Kakinada, Kakinada.

Signature of the Supervisor

Mr. K. SAI SASIDHAR M.Tech
Assistant professor,
Department of Mechanical Engineering,
Giet Engineering College,
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Signature of the Head of the Department

Mr. P. POORNA MOHAN M.Tech (Ph.D)
Associate Professor & HOD,
Department of Mechanical Engineering,
Giet Engineering College,
Rajamahendravaram - 533296

External Viva-Voice held on: 29/06/22

Signature of the Internal Examiner

Signature of the External Examiner

Principal
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GIET ENGINEERING COLLEGE

CHAITANYA KNOWLEDGE CITY, RAJAMAHENDRAVARAM - 522396

DEPARTMENT OF MECHANICAL ENGINEERING



BONAFIDE CERTIFICATE

This is to certify that the Project report entitled " INCREASING THE CO-EFFICIENT OF PERFORMANCE OF A VAPOR COMPRESSION REFRIGERATION SYSTEM USING THE NANO REFRIGERANT (R134a+AL₂O₃) " is a bonafide record of work of the following candidates who carried out project work under my supervision during 2022.

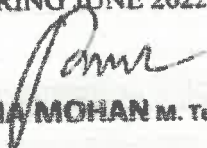
P. JAYA SYAM	19T95A0326
CH. SUDHAKAR	19T95A0305
G. SATISH	19T95A0330
Y. VARA PRASAD	19T95A0323
S. SAI KIRAN	18T91A0313

Dissertation submitted in partial fulfilment of the requirement for the award of degree of

BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING JUNE 2022


Mr. K. SAI SASIDHAR M.Tech

Project guide


Mr. P POORNA MOHAN M. Tech, (Ph.D)
Head of the department

Certified that the candidate examination the viva-voice examination held on... 27/06/2022...







Principal
GIET ENGINEERING COLLEGE,
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CHAITANYA KNOWLEDGE CITY, RAJAMAHENDRAVARAM – 522396

DEPARTMENT OF MECHANICAL ENGINEERING

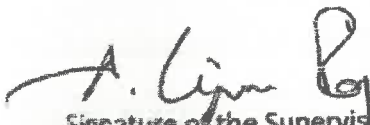


BONAFIDE CERTIFICATE

This is to certify that the Project report entitled "DESIGN AND FABRICATION VEGETABLE CUTTING MACHINE" is a bonafide record of work of the following candidates who carried out project work under my supervision during 2022.

T. BALAJI	19T95A0318
K. MAHESH	18T91A0306
K. TARUN	19T95A0311
M. GOVINDA	19T95A0324
T. PAVAN BHASKAR	17T91A0316

Dissertation submitted in partial fulfilment of the requirement for the award of degree of BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING JUNE 2022.



Signature of the Supervisor

P. VIPIN RAJ M. Tech
Assistant professor,
Department of Mechanical Engineering,
GIET ENGINEERING COLLEGE,
Rajamahendravaram - 533296.


Signature of the Head of the Department

Mr. P. POORNAMOCHAN M. TECH (Ph.D.)
Head of the Department,
Department of Mechanical Engineering,
GIET ENGINEERING COLLEGE,
Rajamahendravaram - 533296.

External Viva-Voce conducted on 29/06/2022


Internal Examiner


External Examiner


Principal

GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.



GIET ENGINEERING COLLEGE

(Affiliated to JNTU KAKINADA, Approved by AICTE, New Delhi, Accredited by NAAC)
Chaitanya Knowledge City, NH-16, Rajahmundry -533296, A.P.

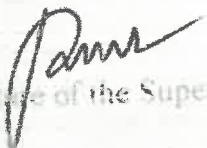
BONAFIDE CERTIFICATE

This is to certify that the project report entitled "**Preparation of optimization on Dynamic Mechanical Analysis and Mechanical Properties with Mesocarp reinforced Polymer Composite by applying Response Surface Methodology**" is a bonafide record of the project work done by


P. RAJA	(19T95A0327)
E. RAJU	(19T95A0306)
G. KIRAN	(19T95A0328)
E. MOHAN VAMSI	(18T91A0302)
G. VENKANNA BABU	(18T91A0305)

During the academic year 2021-22 is submitted to the faculty of Mechanical Engineering, in partial fulfilment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** from GIET Engineering College. Affiliated to Jawaharlal Nehru Technological University Kakinada, Kakinada.

Signature of the Supervisor


Mr. P. POORNA MOHAN M.TECH (Ph.D)
Associate professor & HOD,
Department of Mechanical Engineering,
GIET ENGINEERING COLLEGE,
Rajahmendravaram - 533296.

Signature of the Head of the Department


Mr. P. POORNA MOHAN M.TECH (Ph.D)
Head of Department,
Department of Mechanical Engineering,
GIET ENGINEERING COLLEGE,
Rajahmendravaram - 533296.

External Viva-Voce conducted on 29/06/22

Internal Examiner

Principal


GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDY-533 296.

External Examiner



GIET ENGINEERING COLLEGE

(Affiliated to JNTUK KAKINADA, Approved by AICTE, New Delhi)

Chaitanya Knowledge City, NH-16, Rajahmundry-533296, A.P.

BONAFIDE CERTIFICATE

This is to certify that the project report entitled "Agglomeration study in A Microchannel Heat Sink with CuO and Al₂O₃ Nanofluids" is a bonafide record of the project work done by "BAIRI DEVI PRASAD (19T95A0301), SANGINIDI UDAY KIRAN (19T95A0316), GEDDAM ANAND PAUL (19T95A0307), BEJJIPARAPU RAMBABU (19T95A0303), PILLA KIRAN KUMAR (18T91A0308)" During the academic year 2021-22 is submitted to the faculty of Mechanical Engineering, in partial fulfilment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** from GIET Engineering College, Affiliated to Jawaharlal Nehru Technological University Kakinada, Kakinada.

Signature of the Supervisor

Mr. Pinjari PoornaMohan M. TECH(PH.D.)

Associate Professor & HOD

Department of Mechanical Engineering

GIET, Rajamahendravaram-533296

DATE:

Signature of the Head of the Department

Mr. Pinjari PoornaMohan M. TECH(PH.D.)

HEAD OF THE DEPARTMENT

External Viva-Voce conducted on 29/06/2022

Internal Examiner

Principal

GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296

External Examiner



GIET ENGINEERING COLLEGE

(Affiliated to JNTU KAKINADA, Approved by AICTE, New Delhi, Accredited by NAAC)
Chaitanya Knowledge City, NH-16, Rajamahendry-533296, A.P.

BONAFIDE CERTIFICATE

This is to certify that the project report entitled "**FABRICATION OF AQUA MUFFLER**"
is a bonafide record of the project work done by

G. NARASIMHA MURTHY	19T95A0309
G. SATYANANDAM	18T91A0303
M. BHANU KIRAN	18T91A0307
T. CHANDRA SEKHAR	19T95A0321
P. SAI AKHILESH	18T91A0319

During the academic year 2021-22 is submitted to the faculty of Mechanical Engineering, in partial fulfilment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** from GIET Engineering College, Affiliated to Jawaharlal Nehru Technological University Kakinada, Kakinada.

Signature of the Supervisor

Mr. V. AVINASH RAMANA M. TECH.,
Assistant professor,
Department of Mechanical Engineering,
GIET ENGINEERING COLLEGE,
Rajamahendravaram - 533296.

Signature of Head of the Department

Mr. P. POORNAMOCHAN M. TECH (P.B.D.)
Head of Department,
Department of Mechanical Engineering,
GIET ENGINEERING COLLEGE,
Rajamahendravaram - 533296.

External Viva-Voce conducted on 29/06/22

Signature of Internal Examiner

Internal Examiner

Signature of External Examiner

External Examiner

Signature of Principal

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDY-533 296.

GIET ENGINEERING COLLEGE

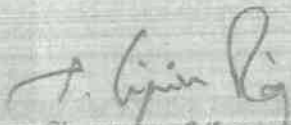
CHAITANYA KNOWLEDGE CITY, RAJAMAHEENDRAVARAM-533296

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

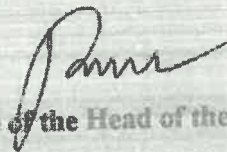
This is to certify that the Project report entitled "TRIO & QUAD MATERIAL ANALYSIS OF CROWN & PINION GEAR -DIFFERENTIAL GEAR" is a bonafide work carried out by U. DURGA VEERA PRASAD (18T91A0316), S. GOWTAM SAI VEERAJU (18T91A0314), B. PAVAN KALYAN (19T95A0334), G. SAGAR SWAMY (19T95A0308), G. MANI MAHESH (18T91A0304) during the academic year 2021-22 is submitted to the faculty of Mechanical Engineering, in partial fulfillment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING from GIET Engineering College, Affiliated to Jawaharlal Nehru Technology University Kakinada.



Signature of the supervisor

P. VIPIN RAJ (M. TECH)

Assistant Professor,
Department of Mechanical Engineering.



Signature of the Head of the Department

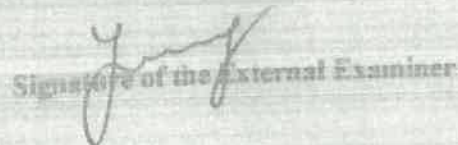
P. POORNA MOHAN (M. TECH)

Professor & HOD
Department of Mechanical Engineering.

External Viva-Voice held on: 29/06/2022



Signature of the Internal Examiner



Signature of the External Examiner



Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.



GIET ENGINEERING COLLEGE

(Affiliated to JNTU KAKINADA, Approved by AICTE, New Delhi, Accredited by NAAC)
Chaitanya Knowledge City, NH-16, Rajahmundry-533296, A.P.

BONAFIDE CERTIFICATE

This is to certify that the project report entitled "OPTIMIZATION OF MINIMUM QUANTITY LUBRICATION PARAMETERS IN TURNING OF AISI 1018 STEEL" is a bonafide record of the project work done by

R. MANIKANTA	19T95A0315
B. MOHAN SIVA SAI KRISHNA	19T95A0333
K. AJAY SAI	19T95A0320
B. SAITEJA	19T95A0304
S.S.G. VAMSHI KRISHNA	18T91A0315

During the academic year 2021-22 is submitted to the faculty of Mechanical Engineering, in partial fulfilment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** from GIET Engineering College, Affiliated to Jawaharlal Nehru Technological University Kakinada, Kakinada.


Signature of the Supervisor

Mr. K. V. G. PRAVEEN (MTech)
Assistant professor,
Department of Mechanical Engineering,
GIET ENGINEERING COLLEGE,
Rajahmendravaram - 533296.



Signature of the Head of the Department

Mr. P. POORNA MOHAN MTech (Ph.D.)
Associate Professor & HOD,
Department of Mechanical Engineering,
GIET ENGINEERING COLLEGE,
Rajahmendravaram - 533296

External Viva-Voce conducted on 29/6/22


Internal Examiner


External Examiner


Principal
GIET ENGINEERING COLLEGE,
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RAJAHMUNDY-533 296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge city, Rajahmundry -533296

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "IOT BASED DROWSY DETECTION DEVICE FOR DRIVER'S PROTECTION" is being submitted for partial fulfilment of **BACHELOR OF TECHNOLOGY** in **Electronics and Communication Engineering** to **GIET ENGINEERING COLLEGE**, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafide work done by G. RAJU bearing Roll No 18T91A0425, G. RAJESH bearing Roll No:18T91A0425, CH. BALAJI bearing Roll No:18T91A0414, D. SAI KRISHNA bearing Roll No:18T91A0420, under our guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.

These results embodied in the project report have not been submitted to any other university or institute for the award of degree.


Dr. B. JAGADEESH, M. Tech, Ph. D

Project Guide

Department of ECE


Dr. B. JAGADEESH, M. Tech, Ph. D

Head of the Department

Department of ECE


External Examiner


Principal

GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge city, Rajahmundry -533296

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled " IOT BASED AUTOMATIC VEHICLE ACCIDENT DETECTION AND RESCUE SYSTEM" is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the J.N.T.U, Kakinada, is Bonafied work done by G.M.L. SAHITHI bearing Roll No:18T91A0423 ,E.V.S.ROHITH bearing Roll No: 18T91A0421, K.V. SHIVANI bearing Roll No: 18T91A0447 ,B .RAJESH KUMAR bearing Roll No: 18T91A0408, under our guidance during the academic year 2021- 2022 and it has been found suitable for acceptance according to the requirement of University.

These results embodied in the project report have not been submitted to any other university or institute for the award of degree.

Mr. T.SASIBHUSHANA RAO, M.Tech

Project Guide,

Department of ECE

Dr. B. JAGADEESH, M.Tech, Ph. D

Head of the Department,

Department of ECE

External Examiner

Principal
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya knowledge city, Rajahmundry-533294.


DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING




CERTIFICATE


This is to certify that the project work entitled "SECURING DATA THROUGH STEGANOGRAPHY AND SECRET SHARING SCHEMES" is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafede work done by CH. LAVANYA, bearing Roll.No:18T91A0412, K. HARITHA DEVI, bearing Roll No:18T91A0445, G.SHYAMALA, bearing Roll No:18T91A0424, L.JOSHI BHASKAR, bearing Roll No:18T91A0448 under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.

This result embodied in the project report have not been submitted to any other university or institute for the award of degree.


G. SRUJANA, M.Tech
Internal Guide,
Department of ECE


Dr. B. JAGADEESH, M.Tech, Ph.D
Head of the Department,
Department of ECE


External Examiner


Principal
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City,
RAJAHMUNDY-533 296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya knowledge city, Rajahmundry-533296.


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING




CERTIFICATE

This is to certify that the project work entitled "SCROLLING LED DISPLAY BOARD USING BLUETOOTH" is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafede work done by A. GANGA BHAVANI, bearing Roll. No: 18T91A0404, G.V.L. DEEPTHI, bearing Roll No:18MU1A0401, B. NAVEEN KRISHNA, bearing Roll No:18T91A0406, under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of university.

This result embodied in the project report have not been submitted to any other university or institute for the award of degree.


Mr. P.DARWIN, M.Tech
Internal Guide,
Department of ECE


Dr. B. JAGADEESH, Ph.D
Head of the Department,
Department of ECE


External Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge city, Rajahmundry -533296

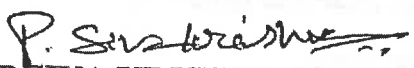
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "IOT BASED AIR AND NOISE POLLUTION MONITORING SYSTEM" is being submitted for partial fulfilment of **BACHELOR OF TECHNOLOGY** in **Electronics and Communication Engineering** to **GIET ENGINEERING COLLEGE**, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafede work done by J.YASASWINI bearing Roll No 18T91A0433,G.SRINIJA bearing Roll No:18T91A0431,K.MAHALSHMI bearing Roll No:18T91A0439,G.SAI MOULI bearing Roll No:18T91A0430, under our guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.

These results embodied in the project report have not been submitted to any other university or institute for the award of degree.


P.SIVA KRISHNA,M.Tech,M.B.A

Project Guide

Department of ECE


Dr. B. JAGADEESH, M. Tech, Ph. D

Head of the Department

Department of ECE


External Examiner


Principal
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City,
RAJAHMUNDY-533 296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge City, Rajahmundry-533294.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DIGITAL NOTICE BOARD USING LCD DISPLAY" is being submitted for partial fulfillment of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafide work done by NAME: K.AKHILA, bearing RollNo:18T91A0436, G.ANUSHA, bearing RollNo:18T91A0422, CH.VEERABHADRACHARYULU, bearing RollNo:18T91A0413, K.RAMBABU, bearing Roll No:-18T91A0442 under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.

This result embodied in the project report have not been submitted to any other university or institute for the award of degree.

V.V. Subbaraya Sastri

Mr. V.V. SUBBARAYA SASTRI, M.Tech

Internal Guide,

Department of ECE

B. Jagadeesh
Dr. B. JAGADEESH, Ph.D

Head of the Department,

Department of ECE

[Signature]
External Examiner

[Signature]
Principal

GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge city, Rajahmundry -533296


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING




CERTIFICATE


This is to certify that the project work entitled " IOT BASED INTELLIGENT TRAFFIC LIGHT CONTROL SYSTEM FOR EMERGENCY VEHICLE CLEARANCE " is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the J.N.T.U, Kakinada, is Bonafied work done by B. Hemanth Bearing Roll No: 18T91A0407, G. Gopi Bearing Roll No: 18T91A0426, Abhishek Kumar singh Bearing Roll No: 18T91A0401, B. Siva Sai Varma Bearing Roll No: 18T91A0410, under our guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.

These results embodied in the project report have not been submitted to any other university or institute for the award of degree.


Mrs. V. LAVANYA, M.Tech
Project Guide,
Department of ECE


Dr. B. JAGADEESH, M.Tech, Ph. D
Head of the Department,
Department of ECE


External Examiner


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City, Rajahmundry-533 296.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING



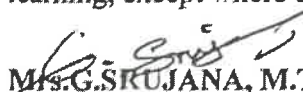
CERTIFICATE


This is to certify that the project titled "DIGITAL NOTICE BOARD USING MATRIX LED CONTROLLED VIA MOBILE APP" is being submitted by for the partial fulfilment of the requirements for social relevant project of the degree of Bachelor of Technology in ELECTRONICS & COMMUNICATION ENGINEERING at GIET ENGINEERING COLLEGE, RAJAMAHENDRAVARAM, is a bonafide carried by

P. MAHESH	-	18T91A0472
N. K. ANNAPURNA	-	18T91A0464
N. DEEPTHI	-	18T91A0463
M. SRIRAM	-	18T91A0454
M.S.M. RAJA	-	18T91A0457


During the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of the university.

We here by declare that this submission is my own work and that, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which to a substantial extent has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment.


Mrs. G. SRUJANA, M.Tech
Internal Guide,
Department of ECE


Dr. B. JAGADEESH, M.Tech, Ph.D
Head of the Department,
Department of ECE


External Examiner


Principal
GIET ENGINEERING COLLEGE.
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge City, Rajahmundry-533296

DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DRINKING WATER MANAGEMENT USING IOT" is being submitted for partial fulfillment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET ENGINEERING COLLEGE, RAJAHMUNDRY, A.P. affiliated to the JNTUK, KAKINADA, is Bonafide work done by D. VISWA SAI TEJA bearing RollNo:18T91A0418, J. BHAVANA bearing Roll No:18T91A0434, K. JAYA SAI PRAKSH bearing Roll No:18T91A0441 AND G. JAI CHAND bearing Roll No:18T91A0432 under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.

This result embodied in the project report has not been submitted to any other university or institute for the award of degree.

S.N.V. Vijaya Lakshmi
S.N.V. VIJAYA LAKSHMI, M.Tech
Internal Guide,
Department of ECE

B. Jagadeesh
Dr. B. JAGADEESH, Ph.D
Head of the Department,
Department of ECE

[Signature]
EXTERNAL EXAMINER

[Signature]
Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya knowledge city, Rajahmundry-533296.


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

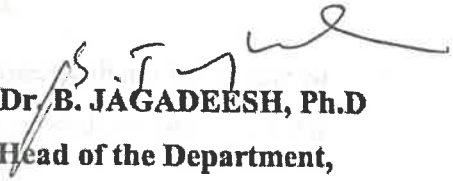


CERTIFICATE

This is to certify that the project work entitled "WATER MANAGEMENT USING SENSOR" is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafede work done by L.RENUKA BHAGYA LAKSHMI, bearing Roll No : 18T91A0449, G.RATNA GOWREESHA, bearing Roll No:18T91A0429, G.ANNAMANI, bearing Roll No:18T91A0428, K.SOMA SEKHAR, bearing Roll No:18T91A0435 under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of university.

This result embodied in the project report have not been submitted to any other university or institute for the award of degree.


Mr.A.G.V. KARTHIK RAJU, M.Tech
Internal Guide ,
Department of ECE


Dr. B. JAGADEESH, Ph.D
Head of the Department,
Department of ECE


External Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge City, Rajahmundry-533294

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

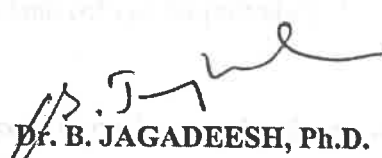


CERTIFICATE

This is to certify that the project work entitled "DRINKING AND WASTE WATER MANAGEMENT IOT" is being submitted for partial fulfillment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET ENGINEERING COLLEGE, RAJAHMUNDY, A.P. affiliated to the JNTUK, KAKINADA, is Bonafide work done by MS. R. DURGA DEVI bearing Roll No: 19T95A0409, MS. P. MADHAVI LATHA bearing Roll No: 19T95A0405, MR. CH. SAI PRASANTH, bearing Roll No: 19T95A0402, MS. T. YASASWINI bearing Roll No: 18T91A0491, under my guidance during the academic year 2018-2022 and it has been found suitable for acceptance according to the requirement of University.

This result embodied in the project report has not been submitted to any other university or institute for the award of degree.


Mr. A.G.V. Karthik Raju, M.Tech
Assistant Professor


Dr. B. JAGADEESH, Ph.D.
Head of the Department, Dept of ECE


EXTERNAL EXAMINER

Principal
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City,
RAJAHMUNDY-533 294.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge City, Rajahmundry-533296.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "SINGLE BIT ARITHMETIC LOGIC UNIT DESIGN USING REVERSIBLE GATES" is being submitted for partial fulfillment of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafede work done by D.SAILAJA, bearing Roll No:18T91A0416, CH.MOUNIKA SUCHITRA bearing Roll No:18T91A0411, K.DURGA SHYAM SIVA PRASAD, bearing Roll No:18T91A0443, K.SRIDHAR, bearing Roll No:18T91A0444 under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.

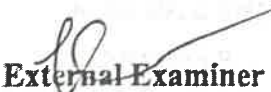
This result embodied in the project report have not been submitted to any other university or institute for the award of degree.



Mr.A.G.V.KARTHIK RAJU, M.Tech

Internal Guide,
Department of ECE


Dr.B.JAGADEESH, Ph.D

Head of the Department,
Department of ECE


External Examiner


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge City, Rajahmundry-533296
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "VEHICLE THEFT INTERNATIONOVERCLOUD AND REMOTE CONTROL OF ITS ENGINE" is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION ENGINEERING IN GIET ENGINEERING COLLEGE, RAJAHMUNDRY, A.P. affiliated to the JNTUK, KAKINADA, is Bonafede work done by T. Pushpa Latha - 18T91A0489, N. Deepthika Devi - 18T91A0460, P. Sandhya Rani - 18T91A0469, M. Sai Kumar - 19T95A0404 under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of university.

This result embodied in the project report has not been submitted to any other university or institute for the award of degree.

Mr. P. Siva Krishna, M. Tech,
Assistant Professor.

Dr. B Jagadeesh, M.Tech, Ph.D,
Professor &Hod,
Department of ECE

EXTERNAL EXAMINER

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.



GIET ENGINEERING COLLEGE

Rajahmundry, Andhra Pradesh | www.gietec.ac.in

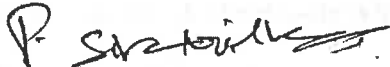
GIET ENGINEERING COLLEGE


NH-16, Chaitanya Knowledge City, Rajahmundry-533296.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

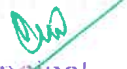
CERTIFICATE

This is to certify that the project work entitled "ARTIFICIAL INTELLIGENCE TOOL FOR CHEST X-RAY IMAGE CLASSIFICATION" is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET Engineering College, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafede work done by T. Satish, bearing Roll. No: 18T91A0488, P.Sai Durga Prasad, bearing Roll No:18T91A0475, Y.Anand Durga Sagar, bearing Roll No: 18T91A0487, T.Gireesh Naidu, bearing Roll No:18T91A0492 under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.


Mr. P. SIVA KRISHNA, M. Tech
Project Guide,
Department of ECE.


Dr. B. JAGADEESH, M.Tech, Ph.D
Head of Department,
Department of ECE.


External Examiner


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDURY-533 296.

GIET ENGINEERING COLLEGE

NH-16, CHAITANYA KNOWLEDGE CITY, RAJAHMUNDRY (A.P)

DEPARTMENT
OF
ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project entitled "DRINKING AND WASTE WATER MANAGEMENT USING SENSORS" is a project work carried by P. SUMA DEVI 19T95A0406, P. KAMESWARI 19T95A0407, B. JAPHANYA PRASANNA KUMAR 19T95A0401, at the college for the award degree of the bachelor of technology in ELECTRONICS AND COMMUNICATION ENGINEERING from GIET ENGINEERING COLLEGE during the academic year of 2021-2022 and it has been found suitable for acceptance according to the requirement of university.

We here by declare that this submission is my own work and that, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which to a substantial extent has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment.

B Venkatesh

Mr. B. VENKATESH, M. Tech
Assistant Professor
Project guide

B. Jagadeesh
Dr. B. JAGADEESH, M. Tech, Ph. D
Professor, Head of the Department,
Department of ECE

P. Jagadeesh
EXTERNAL EXAMINER

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 288.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge City, Rajahmundry-533294



GIET ENGINEERING COLLEGE

Rajahmundry, Andhra Pradesh | www.gietec.ac.in

DEPARTMENT OF ELECTRONICS & COMMUNICATON ENGINEERING

CERTIFICATE

This is to certify that the project work titled **WIRELESS LCD NOTICE BOARD USING CONTROLLER** is being submitted by for the partial fulfilment of the requirements for Social Relevant Project of the degree of Bachelor of Technology in **ELECTRONICS & COMMUNICATION ENGINEERING** at GIET ENGINEERING COLLEGE, RAJAHMAHENDRAVARAM, is a bonafide carried by

R. Avinash	-	19T95A0408
P. Sri Devi	-	18T91A0474
S. S. S. Naga Lakshmi	-	18T91A0477
P. Sai Sravyesh	-	18T91A0470

During the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of the university. The result embodied in this thesis has not been submitted to other university or institute for the award of any degree.

Mr. T. Sasibhushana rao, M.Tech,
Assistant Professor,
Department of ECE.

Dr. Jagadeesh Bodapati, M.Tech, Ph.D
Head of the Department,
Department of ECE

External Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge City, Rajahmundry-533294

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "IOT MINING TRACKING AND WORKER SAFETY HELMET" is being submitted for partial fulfillment of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering to GIET ENGINEERING COLLEGE, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafide work done by NAME: K. NAGA HARITHA, bearing Roll.No:19T95A0403, S.ALEKHYA, bearing Roll.No:19T95A0410, S.NAGESWARARAO, bearing Roll.No:18T91A0483, S.VENKATA VIGNESH, bearing Roll.No:18T91A0484, under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of university.

This result embodied in the project report has not been submitted to any other university or institute for the award of degree.

A handwritten signature in black ink, appearing to read 'T. Sasibhushana Rao', written over a horizontal line.

Mr. T.Sasibhushana Rao, M.Tech

Internal Guide,

Department of ECE

A handwritten signature in black ink, appearing to read 'Dr. Jagadeesh Bodapati', written over a horizontal line.

Dr. Jagadeesh Bodapati, Ph.D

Head of the Department,

Department of ECE

A handwritten signature in black ink, appearing to read 'External Examiner', written over a horizontal line.

External Examiner

A handwritten signature in blue ink, appearing to read 'Principal', written over a horizontal line.

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

[Affiliated to JNTUK, Kakinada, [Accredited by NACC]

NH-16, Chaitanya Knowledge City, Rajahmundry-533296, A.P.

JUNE-2022

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project entitled "VEHICLE TRACKING BASED ON GPS AND GSM SENSORS" has been submitted by S. ROSHINI (18T91A0479), Y. DEVIKA (18T91A0480), D. MOUNIKA (18T91A0455), M. SUREKHA (18T91A0451) in the partial fulfilment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING, is record of Bonafide work carried out by them under my guidance and supervision. The results embodied in this project have not been submitted to any other university or institution for the award of any degree or diploma.

INTERNAL GUIDE

Mr.B.Venkatesh, M.Tech

Assistant Professor

HEAD OF THE DEPARTMENT

Dr.B.Jagadeesh, M.tech, Ph.D

Professor


External Examiner


Principal

GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

NH-16, CHAITANYA KNOWLEDGE CITY, RAJAHMUNDRY (A.P)

DEPARTMENT OF

ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE


This is to certify that the project entitled "TRANSMISSION GATE USING 8T AM CELL FOR BIOMEDICAL APPLICATIONS" is a project work carried by DWJANYA18T91A0478, S.GHOUSIA18T91A048, M.BHARGAVI18T91A0458, N.S.R. PRASAD18T91A0465 at the college for the award degree of the bachelor of technology in ELECTRONICS AND COMMUNICATION ENGINEERING from GIET ENGINEERING COLLEGE during the academic year of 2021-2022 and it has been found suitable for acceptance according to the requirement of university.


Dr. B. JAGADEESH, M. Tech, Ph.D.

Professor

Head of the Department,
Electronics and Communication Engineering


External Examiner


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

NII-16, Chaitanya Knowledge city, Rajahmundry -533296


DEPARTMENT OF ELECTRONICS AND COMMUNICATION

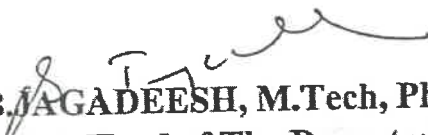
ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "PIR BASED HOME AUTOMATION" is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET ENGINEERING COLLEGE, Rajahmundry, Andhra Pradesh affiliated to the JNTU, Kakinada, is Bonafede work done by S.Surya prasanna bearing Roll No 18T91A0481, M.S.Ch.Pavani bearing Roll No 18T91A0456, P.Naga Sai Teja bearing Roll No 18T91A0468, M.Mourya Reddy bearing Roll No 18T91A0453 under the guidance of Ms.Tp.Tejaswi, M.Tech during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University. These results embodied in the project report have not been submitted to any other university or institute for the award of a degree.


Ms. Tp. Tejaswi, M.Tech,
Associate Professor,
Project Guide.


Dr. B. JAGADEESH, M.Tech, Ph.D
Professor, Head of The Department,
Department of ECE.


EXTERNAL EXAMINER


Principal
GIET ENGINEERING COLLEGE,
NII-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533296.



GIET ENGINEERING COLLEGE

Rajahmundry, Andhra Pradesh | www.gietec.ac.in

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge City, Rajahmundry-533 296.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "IMPROVED CRYPTOSYSTEM FOR SECURE IMAGE ON IOT DEVICES" is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING to GIET engineering College, Rajahmundry, A.P affiliated to the JNTUK, Kakinada, is Bonafede work done by S. Rakesh, bearing Roll.No: 18T91A0482, N. Yamini Sri Latha, bearing Roll no:18T91A0459, G. Sai Samba Siva, bearing Roll No:19T95A0411, P. Sri Sai Krishna bearing Roll No:18T91A0466 under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.


C. SRUJANA, M.Tech

Project Guide,


Department of ECE.


D. B. JAGADEESH, M.Tech, Ph.D

Head Of Department,

Department of ECE.


External Examiner



Principal
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.


GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge city, Rajahmundry -533296
DEPARTMENT OF ELECTRONICS AND COMMUNICATION



CERTIFICATE

This is to certify that the project work entitled "IOT BASED AUTOMATED HORTICULTURE SYSTEM FOR FARMERS " is being submitted for partial fulfilment of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** to **GIET ENGINEERING COLLEGE**, Rajahmundry,A.P. affiliated to the JNTUK, Kakinada, is Bonafede work done by Name: N.Chandrasekhar bearing Roll No 18T91A0461, M.Sahithi bearing Roll No:18T91A0452, SD.Siddiq Hussain bearing Roll No:18T91A0486, P.Siddharth bearing Roll No:18T91A0471, under the guidance of Mr.P.Darwin,M.Tech during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of University.These results embodied in the project report have not been submitted to any other university or institute for the award of a degree.


Mr.P.DARWIN, M.Tech,
Associate Professor,
Project Guide.


Dr. B.JAGADEESH, M.Tech, Ph.D
Professor,Head of The Department,
Department of ECE.


EXTERNAL EXAMINER

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge city, Rajahmundry -533296

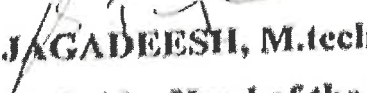
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "IOT BASED AUTOMATIC SMART HOME THEFT CONTROL SYSTEM" is being submitted for partial fulfillment of **BACHELOR OF TECHNOLOGY** in **Electronics and Communication Engineering**, **GIET ENGINEERING COLLEGE**, Rajahmundry, A.P. affiliated to the JNTUK, Kakinada, is Bonafede work done by **A.SHANMITHA(18T91A0402)**, **D.VEERABABU(18T91A0419)**, **K.KAVYA(18T91A0437)**, **T.ANUSHA(18T91A0415)** under my guidance during the academic year 2021- 2022 and it has been found suitable for acceptance according to the requirement of university.

This result embodied in the project report have not been submitted to any other university or institute for the award of degree


Dr.B.JAGADEESH, M.tech., Ph. D
Internal Guide, Head of the Department
Department of ECE


External Examiner


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

NH-16, Chaitanya knowledge city, Rajahmundry-533294.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "REDUCTION OF POWER AND DELAY IN SHIFT REGISTERS USING MTCMOS TECHNIQUE" is being submitted for partial fulfilment of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering TO GIET ENGINEERING COLLEGE Rajahmundry, A.P. affiliated to the JNTUK, Kakinada is Bonafade work done by M. KRISHNAJA, bearing Roll. No: 18T91A0450, K. VEERA JHANSI, bearing Roll No: 18T91A0438, V.JAGADEESH bearing Roll No: 18T91A0417, A. SRI HARSHA, bearing Roll No: 18T91A0403 under my guidance during the academic year 2021-2022 and it has been found suitable for acceptance according to the requirement of university.

This result embodied in the project report has not been submitted to any other university or institute for the award of degree.

B. Venkatesh

B.VENKATESH, M.Tech,

Ph.D.Internal Guide,

Department of ECE

B. Jagadeesh

Dr. B. JAGADEESH,

Head of Department,

Department of ECE

[Signature]
External Examiner

[Signature]
Principal

GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

[Affiliated to JNTUK, Kakinada, [Accredited by NACC]

NH-16, Chaitanya Knowledge City, Rajahmundry-533296, A.P.

JUNE-2022

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project entitled “VEHICLE TRACKING BASED ON GPS AND GSM SENSORS” has been submitted by S. ROSHINI (18T91A0479), Y. DEVIKA (18T91A0480), D. MOUNIKA (18T91A0455), M. SUREKHA (18T91A0451) in the partial fulfilment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING**, is record of Bonafide work carried out by them under my guidance and supervision. The results embodied in this project have not been submitted to any other university or institution for the award of any degree or diploma.

B. Venkatesh
INTERNAL GUIDE

Mr.B.Venkatesh, M.Tech

Assistant Professor

Dr. B. Jagadeesh
HEAD OF THE DEPARTMENT

Dr.B.Jagadeesh, M.tech, Ph.D

Professor

D. J. J. J.
External Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

[Affiliated to JNTUK, Kakinada] accredited by NACCI]

NH-16 CHAITHANYA KNOWLEDGE CITY, RAJAHMAHENDRAVARAM[A.P]

2018-2022

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



CERTIFICATE

This is to certify that

JAHNAVI RAGHAVA SINGH

18T91A0542

KAVYA DEVADA

18T91A0537

KODAVATI RAKESH

18T91A0522

Studying IV B.Tech II Semester of Computer Science and Engineering branch have submitted their project "Skin Cancer Classification Using Machine Learning Algorithms" during the academic year 2018-2022 in partial fulfilment of the requirements for the award of degree in Bachelor of Technology, JNTUK, Kakinada. The result embodied in this project has not been submitted to any other University or Institute for the award of a degree.



Project Guide

Mr. Patra Sasi Kumar, M.Tech.,(Ph.D)

Assistant professor

Department of CSE



INTERNAL EXAMINER



Head of the Department

Dr. Meerasharif Sheik, Ph.D

Professor & HOD

Department of CSE



EXTERNAL EXAMINER



Principal

GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-523 206.

GIET ENGINEERING COLLEGE

(Affiliated to JNTUK Kakinada | Accredited by NAAC)

NH-16 CHAITANYAKNOWLEDGE CITY, RAJAMAHENDRAVARAM (A.P)

2018-2022



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that

A.DIVYA SRI	18T91A0503
V.SAI SNEHA CHAND	18T91A0549
D. R. S. NAGESH	18T91A0515
P.AJAY	18T91A0535

Studying IV B.Tech II Semester of Computer Science and Engineering branch have submitted their project “**STUDENT PERFORMANCE ANALYSIS** ” during the academic year 2018-2022 in partial fulfilment of the requirements for the award of degree in Bachelor of Technology, JNTUK, Kakinada. The result embodied in this project has not been submitted to any other University or Institute for the award of degree.

Project Guide

Mr. B. SRINIVASA RAO, M.Tech.,
Assistant Professor
Department of CSE

Head of the Department

Dr. SK. MEERA SHARIF, Ph.D.,
Professor and HOD
Department of CSE

Internal Examiner

External Examiner

i

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

GIET ENGINEERING COLLEGE

(Affiliated to JNTU- Kakinada)



This is to certify that the project work entitled "DETECTION OF FAKE AND CLONE ACCOUNTS IN TWITTER USING CLASSIFICATION AND DISTANCE MEASURE ALGORITHMS " is being carried by P.GANGA BHAVANI (18T91A0538), R.S.M.S.C MAHESH (18T91A0543), G.RUCHITHA (18T91A0501), AND K.SAICHARAN (18T91A0523) in partial fulfillment the requirements for the award of the Degree of Bachelor of Technology, In the Department of Computer Science and Engineering, GODAVARI INSTITUTTE OF ENGINEERING AND TECHNOLOGY, affiliated to Jawaharlal Nehru Technology University Kakinada, is a Record of Bonafide work carried out by him/her under my guidance and supervision engineering during the academic year 2021-2022.



Project Guide & Head Of The Department

Dr. Meerasharief Sheik, Ph.D

Dept. of CSE


Internal Examiner


External Examiner


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

(Affiliated to JNTU Kakinada , Chaitanya knowledge city , Rajahmundry,
Andhra Pradesh-533296)

2018-2022



GIET ENGINEERING COLLEGE

Rajahmundry, Andhra Pradesh | www.gietec.ac.in

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that

B. Naga Lavanya	18T91A0507
B. Sowmya	18T91A0509
P. Jessy cyrus	18T91A0534
D. Yaswini	18MU1A0505

This is to certify that project report entitled “CROP YIELD FERTILIZER CROP DISEASE PREDICTION USING ML” is being submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in “COMPUTER SCIENCE AND ENGINEERING” is a record of bonafide work carried out by them under my guidance and supervision during the academic year 2021-2022 and it has been found worthy of acceptance according to the requirements of the university.


Project Guide

Mr.K.NAGARAJU,M.Tech(Ph.D.)

Associate Professor

Department of CSE


Head of the Department


Dr.SK. MEERA SHARIF,Ph.D.

Professor & HOD

Department of CSE


Internal Examiner


External Examiner


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRI-533 296.

GIET ENGINEERING COLLEGE

[Affiliated to JNTUK, Kakinada | Accredited by NACC]

NH-16 CHAITANYA KNOWLEDGE CITY, RAJAMAHENDRAVARAM

2018-2022



GIET ENGINEERING COLLEGE

Rajamahendravaram, Andhra Pradesh | www.gietec.ac.in

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that

B. GOWRI SHANKAR NAGABABU	18T91A0506
B. SOWMYA	18T91A0508
I. JYOTHI BABU	18T91A0519
M. HANISHA	18T91A0531

Studying IV B. Tech II Semester of Computer Science and Engineering branch have submitted their project " INTACT DESTINATION USING INTERNET OF THINGS " during the academic year 2018-2022 in partial fulfillment of the requirements for the award of degree in Bachelor of Technology, JNTUK, Kakinada. The result embodied in this project has not been submitted to any other University or Institute for the award of degree.


Project Guide

Mr. M. SREENIVASU, M. Tech (Ph. D.)

Associate Professor

Department of CSE



Head of the Department

Dr. Sk. M. SHARIEF, Ph.D.

Professor & HOD

Department of CSE


INTERNAL EXAMINER


EXTERNAL EXAMINER


Principal

GIET ENGINEERING COLLEGE

NH-16, Chaitanya Knowledge City,

RAJAMUNDY-533 296.

GIET ENGINEERING COLLEGE

[Affiliated to JNTUK, Kakinada | Accredited by NACC]

NH-16 CHAITANYA KNOWLEDGE CITY, RAJAMAHENDRAVARAM (A.P)

2018-2022



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that

M.V.S.MANIKANTA	18T91A0528
P.JASHNAVI	18T91A0536
J.GANESH	18T91A0521
Y.RAMYA SRI	18T91A0516


Studying IV B. Tech II Semester of Computer Science and Engineering branch have submitted their project "Android Application for Digital Bus Pass Management System" during the academic year 2018-2022 in partial fulfillment of the requirements for the award of degree in Bachelor of Technology, JNTUK, Kakinada. The result embodied in this project has not been submitted to any other University or Institute for the award of degree.


Project Guide


Mr. J.BALA AMBEDKAR, M. Tech
Assistant Professor
Department of CSE


Head of the Department

Dr. SK.M. SHARIF, M. Tech, Ph. D
Professor & HOD
Department of CSE


INTERNAL EXAMINER


EXTERNAL EXAMINER


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

GIET ENGINEERING COLLEGE

[Affiliated to JNTUK, Kakinada | Accredited by NACCC]

NH-16 CHAITANYA KNOWLEDGE CITY, RAJAMAHENDRAVARAM(A.P)

2018-2022



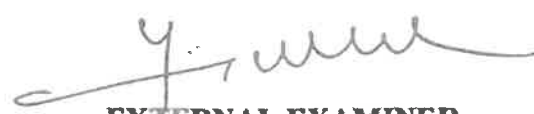
This is to certify that the project work entitled "STUDENT ATTENDANCE MANAGEMENT SYSTEM BASED FACIAL RECOGNITION" is being carried by **B.GANGADHAR (18T91A0510), G.SUSHMITHA (18T91A0517), M L N KRISHNA TEJA (18T91A0529), S NEELESH KUMAR (18T91A0544)** in partial fulfillment the requirements for the award of the Degree of Bachelor of Technology, In the Department of Computer Science and Engineering, GIET ENGINEERING COLLEGE, affiliated to Jawaharlal Nehru Technology University Kakinada, is a Record of Bonafide work carried out by him/her under my guidance and supervision engineering during the academic year 2021-2022.


Project Guide & Head of the Department

Dr. SHEIK MEERA SHARIF, M.Tech, Ph.D

Dept. of CSE


INTERNAL EXAMINER


EXTERNAL EXAMINER


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

[Affiliated to JNTUK, Kakinada] [Approved by AICTE] [Accredited by NACC]
NH-16 CHAITANYA KNOWLEDGE CITY, RAJAMAHENDRAVARAM(A.P)

2018-2022



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that

G. J. SRIJA	18MU1A0508
S. ISHWARYA	18T91A0545
S. VANI	18T91A0547
M. SATYASRI	18MU1A0523

Studying IV BTech II Semester of Computer Science and Engineering branch have submitted their project " *OPTICAL CHARACTER RECOGNITION ON IMAGE* " during the academic year 2018-2022 in partial fulfillment of the requirements for the award of degree in Bachelor of Technology, JNTUK, Kakinada. The result embodied in this project has not been submitted to any other University or Institute for the award of degree.


Project Guide


Mr. K. NAGARAJU, M. Tech(Ph.D)
Associate Professor
Department of CSE


INTERNAL EXAMINER


Head of the Department

Dr.SK. M. SHARIF, M.TECH, Ph.D
Professor &HOD
Department of CSE


EXTERNAL EXAMINER


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296.

GIET ENGINEERING COLLEGE

(Affiliated to JNTU Kakinada University) NH-16 CHAITANYA KNOWLEDGE CITY, RAJAHMUNDRY-533 296,

2018-2022

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that

PAVANI MATAPARTHI	12131A5244
RISHITHA MARGANA	12131A5227
NAMRATHA RATNAM JALAGAM	12551A5221
ANUMANCHIPALLI K S SRINIVAS	17T31A5223

Studying IV B.Tech II Semester of Computer Science and Engineering branch have submitted their project "Breast Cancer Detection Using Convolutional Neural Network" during the academic year 2018-2022 in partial fulfillment of the requirements for the award of degree in Bachelor of Technology, JNTU, Kakinada.

The result embodied in this project has not been submitted to any other University or Institute for the award of degree.


Project Guide

Mr. J. BALA AMBEDKAR, M.Tech, (Ph.D)
Assistant Professor

Department of CSE



Internal Examiner


Head of the Department

Dr. SK. MEERA SHARE, Ph.D.
Professor & HOD

Department of CSE


External Examiner


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE

[Affiliated to JNTUK, Kakinada | Accredited by NACC]
NH-16 CHAITANYA KNOWLEDGE CITY, RAJAMAHENDRAVARAM (A.P)

2018-2022

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



CERTIFICATE

This is to certify that

K. GOWRI PRASANNA	18T91A0524
G. APARANJI	18T91A0518
P. H. M. SIVA PRASAD	19T95A0501
Y. SATTI RAJU	18T91A0553

Studying IV B. Tech II Semester of Computer Science and Engineering branch have submitted their project "COLLEGE ADMINISTRATIVE MANAGEMENT SYSTEM" during the academic year 2018-2022 in partial fulfilment of the requirements for the award of degree in Bachelor of Technology, JNTUK, Kakinada. The result embodied in this project has not been submitted to any other University or Institute for the award of degree.


Project Guide

Mr. P. SASI KUMAR, M.Tech. (Ph.D)
Assistant Professor,
Department of CSE


Head of the Department

Dr. SK. MEERA SHARIF, Ph.D.,
Professor & HOD,
Department of CSE


INTERNAL EXAMINER


EXTERNAL EXAMINER

i


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 298.

GIET ENGINEERING COLLEGE

(Affiliated to JNTUK Kakinada, Accredited by NAAC)

NH-16 CHAITANYA KNOWLEDGE CITY,

RAJAMAHENDRAVARAM (A.P)

2018-2022



DEPARTMENT OF COMPUTER SCIENCE ENGINEERING CERTIFICATE

This is to certify that

B.HEMANTH	18T91A0512
U.PATTABHI RAM	18T91A0548
A.N.D.S.MANIKANTA	18T91A0505
P.SIVA RAMAKRISHMA	18T91A0539

This is to certify that project report entitled "STUDENT FACULTY INTERACTION APP" is being submitted by in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in "COMPUTER SCIENCE ENGINEERING" is a record of bonafide work carried out by them under my guidance and supervision during the academic year 2021-2022 and it has been found worthy of acceptance according to the requirements of the University.

T. Meenakshi
Project Guide

Mrs. T.MEENAKSHI, M.Tech.,

Assistant Professor

Department of CSE

Internal Examiner

Dr. SK. M. Sharief
Head of the Department

Dr. SK. M. SHARIEF M.Tech, Ph.D

Professor & HOD

Department of CSE

External Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE
(Affiliated to JNTUK Kakinada | Accredited by NAAC)

**NH-16 CHAITANYAKNOWLEDGE CITY,
RAJAMAHENDRAVARAM (A.P)**

2018-2022



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATE**

This is to certify that

E. NAGA SRINIJA	18MU1A0520
K.SRI LAKSHMI	18MU1A0522
S. SIREESHA	18MU1A0513
M.ANUDEEP REDDY	18MU1A0524

Studying 1V B. Tech 11 Semester of Computer Science and Engineering branch have submitted their project "CREDIT CARD FRAUD DETECTION USING ADABOOST AND MAJORITY VOTING" during the academic year 2018-2022 in partial fulfillment of the requirements for the award of degree in Bachelor of Technology, JNTUK, Kakinada. The result embodied in this project has not been submitted to any other University or Institute for the award of degree.

J. Meenakshi
Project Guide

**Mrs.T.Meenakshi, M.Tech.,
Assistant Professor
Department of CSE**

[Signature]
Internal Examiner

[Signature]
**Head of the Department
Dr.SK.M.Sharif, M.Tech, Ph.D,
Professor and HOD
Department of CSE**

[Signature]
External Examiner

**Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.**

GIET ENGINEERING COLLEGE

[Affiliated to JNTUK, Kakinada | Accredited by NACC]
NH-16 CHAITANYA KNOWLEDGE CITY, RAJAMAHENDRAVARAM (A.P)

2018-2022

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



CERTIFICATE

This is to certify that

L.BHAVANIDEVI

18T91A0525

Y.PURNA LAVANYA

18T91A0552

D.MALATHY

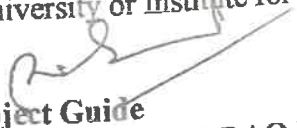
18MU1A0506

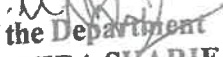
D.KOMAL KIRAN

18T91A0513

Studying IV B. Tech II Semester of Computer Science and Engineering branch have submitted their project "COLLEGE PROJECT MANAGEMENT SYSTEM" during the academic year 2018-2022 in partial fulfilment of the requirements for the award of degree in Bachelor of Technology, JNTUK, Kakinada.


The result embodied in this project has not been submitted to any other University or Institute for the award of degree.


Project Guide
Mr. B. SRINIVASA RAO, M.Tech
Assistant Professor
Department of CSE


Head of the Department
Dr. SK. MEERA SHARIF, Ph.D.
Professor & HOD
Department of CSE


INTERNAL EXAMINER


EXTERNAL EXAMINER


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE
(Affiliated to JNTUK Kakinada | Accredited by NAAC)
NH-16 CHAITANYAKNOWLEDGE CITY, RAJAMAHENDRAVARAM (A.P)
2018-2022



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATE

This is to certify that

B. THANMAYI	18T91A0511
V. SAI SUDHA	18T91A0550
D. MOHAN	18T91A0514
S.C. SUDHEER	18MU1A0525

Studying IV B.Tech II Semester of Computer Science and Engineering branch have submitted their project "DRIVER DROWSINESS DETECTION USING DEEP LEARNING " during the academic year 2018-2022 in partial fulfilment of the requirements for the award of degree in Bachelor of Technology, JNTUK, Kakinada. The result embodied in this project has not been submitted to any other University or Institute for the award of degree.

Archana
Project Guide

Mrs. CH. ARCHANA, M.Tech.,
Assistant Professor
Department of CSE

Dr. SK. Meera Sharif
Head of the Department

Dr. SK. MEERA SHARIF, Ph.D.,
Professor and HOD
Department of CSE

(B. S. S. S.)
Internal Examiner

Y. S. S.
External Examiner

(S. S. S.)
Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

GIET ENGINEERING COLLEGE
(Affiliated to JNTUK Kakinada | Accredited by NAAC)

NH-16 CHAITANYAKNOWLEDGE CITY,
RAJAMAHENDRAVARAM (A.P)

2018-2022



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATE

This is to certify that

M.D.A.RAJU	18T91A0526
A.SRIVALLI	18T91A0504
V.CHANDANA	18T91A0551

Studying IV B.Tech II Semester of Computer Science and Engineering branch have submitted their project "ARDUINO BASED HAND GESTURE FOR VIDEOS" during the academic year 2018-2022 in partial fulfillment of the requirements for the award of degree in Bachelor of Technology, JNTUK, Kakinada. The result embodied in this project has not been submitted to any other University or Institute for the award of degree.


Project Guide

Mrs. CHARCHANA, M.Tech.,
Assistant Professor
Department of CSE


Internal Examiner


Head of the Department

Dr. SK.M.SHARIF, M.Tech, Ph.D.,
Professor and HOD
Department of CSE


External Examiner



Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.



Accredited by NAAC

CERTIFICATE

GIET ENGINEERING COLLEGE DEPARTMENT OF MANAGEMENT STUDIES

This is to certify that the Project work entitled-"A Study on **SATISFACTION ON EMPLOYEE BENEFITS** with reference to " **ANDHRA PAPER LIMITED**" Unit : **Rajamundry PADMAVATHI BODDEDA**, (Regd no. 20T91E0001) in partial fulfillment for the award of Master of Business Administration to the Jawaharlal Nehru Technology University, Kakinada is a record of bonafide work carried out by her under our guidance and supervision.

The results presented in this project have not been submitted to any other university institute for the award of any degree or diploma.

Head of the Department

**HEAD OF THE DEPARTMENT MBA
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City
RAJAHMUNDRY-533 296.**

Internal Examiner

External Examiner

**Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.**



Accredited by NAAC

**GIET ENGINEERING COLLEGE
DEPARTMENT OF MANAGEMENT STUDIES**

CERTIFICATE

This is to certify that the Project work entitled, A Study on Training and development system with reference to Oil and Natural Gas Corporation Ltd (ONGC), RAJAHMUNDRY ASSET that is being submitted by D. Yamini in partial fulfillment for the award of the Master of Business Administration to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out by her under our guidance and supervision. The results presented in this project have not been submitted to any other University or Institute for the award of any degree or diploma.

Head of the Department
Dr. P. SUBBA RAO
Professor, DMS

Signature of the Guide
Dr. P. R. K. Raju,
Director, DMS

Internal Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 006.

External Examiner



Accredited by NAAC

**GIET ENGINEERING COLLEGE
DEPARTMENT OF MANAGEMENT STUDIES**

CERTIFICATE

This is to certify that the Project work entitled, A Study on Evaluation of performance appraisal with reference to Oil and Natural Gas Corporation Ltd (ONGC), RAJAHMUNDRY ASSET that is being submitted by T. Hemanth Naidu in partial fulfillment for the award of the Master of Business Administration to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out by him under our guidance and supervision. The results presented in this project have not been submitted to any other University or Institute for the award of any degree or diploma.

Head of the Department
Dr. P. SUBBA RAO

Professor, DMS

Signature of the Guide
Dr. P. R. K. Raju,
Director, DMS

Internal Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

External Examiner

CERTIFICATE



ENGINEERING COLLEGE

DEPARTMENT OF MANAGEMENT STUDIES

This is to certify that the project work entitled- A Study on "WORKING CAPITAL MANAGEMENT with reference to AR Raju Beverages Pvt. Ltd, Ramachandrapuram, A.P) that is being Submitted by KANCHERLA BHARATI ANASUYA, (Regd. no.20T91E0005) in partial fulfillment for the award of Master of Business Administration to the Jawaharlal Nehru Technology University, Kakinada is a record of bonafide work carried out by her under our guidance and supervision.

The results presented in this project have not been submitted to any other university or institute for the award of any degree or diploma.

Head of the Department

Internal Examiner

HEAD OF THE DEPARTMENT MBA
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City
RAJAHMUNDRY-533 296.

External Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.



**GIET ENGINEERING COLLEGE
DEPARTMENT OF MANAGEMENT STUDIES**

This is to certify that the Project work entitled- "A Study On Investor Perception In Mutual Funds Investment With Reference To EAST Godavari District" that is being Submitted by CH. SURESH, (Regd. no. 20T91E0006) in partial fulfilment for the award of Master of Business Administration to the Jawaharlal Nehru Technology University, Kakinada is a record of confide work carried out by her under our guidance and supervision.

The results presented in this project have not been submitted to any other university or institute for the award of any degree or diploma.



**Head of the Department
Dr.P.SUBBA RAO
Professor, DMS**




**Signature of Guide
Dr.P.SUBBA RAO
Professor, DMS**



Internal Examiner



External Examiner



**Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.**




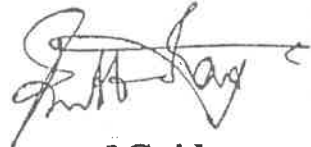
GIET ENGINEERING COLLEGE

DEPARTMENT OF MANAGEMENT STUDIES

CERTIFICATE


This is to certify that the Project work entitled ,A Study on **Recruitment And Selection** with reference to **ANDHERA PAPER LIMITED** that is being submitted by **MOHAMMED IRFANSHARIF** in partial fulfillment for the award of the **Master of Business Administration** to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out by him/her under our guidance and supervision. The results presented in this project haven't been submitted to any other University or Institute for the award of any degree or diploma.


Head of the Department
Dr.P.SUBBA RAO
Professor,DMS


Signature of Guide
Dr.P.SUBBA RAO
Professor,DMS


Internal Examiner


External Examiner


Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.



CERTIFICATE

GIET ENGINEERING COLLEGE

DEPARTMENT OF MANAGEMENT STUDIES

This is to certify that the Project work entitled A STUDY ON PROBLEMS AND PERSPECTIVE OF HANDLOOM WEAVERS "with reference to"UPPADA HANDLOOM WEAVERS SOCIETY, UPPADA". That is being Submitted by PALIVELA. MOHAN KUMAR.(Reg.no:20T91E0008) in partial fulfillment for the award of Master of Business Administration to the Jawaharlal Nehru Technology University, Kakinada is are cord of Bonafide carried out by his under our guidance and supervision.The results presented in this project have not been submitted to any other university or in statute for the award of any degree or diploma.

Head of the Department

Dr. P. Subba Rao
Professor, DMS

Internal Examiner
Signature of the Guide

Mrs.CH. NAGESWARI
Assistant Professor, DMS

External Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

CERTIFICATE



GIET ENGINEERING COLLEGE DEPARTMENT OF MANAGEMENT STUDIES

This is to certify that the Project work entitled- "A STUDY ON FINANCIAL STATEMENT ANALYSIS THROUGH RATIOS with reference to AR RAJU BEVERAGES PVT LTD" that is being Submitted by P. KEDHARI GOWRI, (Regd. no. 20T91E0009) in partial fulfilment for the award of Master of Business Administration to the Jawaharlal Nehru Technology University, Kakinada is a record of bonafide work carried out by her under our guidance and supervision. The results presented in this project have not been submitted to any other university or institute for the award of any degree or diploma.

Head of the Department

Dr. P. Subha Rao

Professor, DMS

HEAD OF THE DEPARTMENT MBA
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City
RAJAHMUNDRY-533 296.

Internal Examiner

Signature of guide

Mrs. CH. NAGESWARI

Assistant Professor, DMS

External Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.



Accredited by NAAC

**GIET ENGINEERING COLLEGE
DEPARTMENT OF MANAGEMENT STUDIES**

CERTIFICATE

This is to certify that the Project work entitled, A Study on **Financial Statement Analysis** with reference to **Oil and Natural Gas Corporation Ltd (ONGC), RAJAHMUNDRY ASSET** that is being submitted by **S. PAVAN DURGA KALYAN** in partial fulfillment for the award of the **Master of Business Administration** to the **Jawaharlal Nehru Technological University, Kakinada** is a record of bonafide work carried out by him under our guidance and supervision. The results presented in this project have not been submitted to any other University or Institute for the award of any degree or diploma.

Head of the Department
Dr. P. SUBBA RAO
Professor, DMS

HEAD OF THE DEPARTMENT MBA
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City
RAJAHMUNDRY-533 296.

Internal Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

Signature of the Guide
Mrs.CH. NAGESWARI
Assistant Professor, DMS

External Examiner



CERTIFICATE

GIET ENGINEERING COLLEGE

DEPARTMENT OF MANAGEMENT STUDIES

This is to certify that the Project work entitled "A Study on JOB SATISFACTION with reference to OIL AND NATURAL GAS CORPORATION, RAJAHMUNDRY" that is being Submitted by SYED.SULTANA, (Regd. no. 20191E0111) in partial fulfillment for the award of Master of Business Administration to the Jawaharlal Nehru Technological University, Kakinada is a record of Bachelors work carried out by her under our guidance and supervision.

The results presented in this project have not been submitted to any other university or institute for the award of any degree or diploma.

Head of the Department
Dr. P. Subba Rao

Signature of Guide
Mr. K. VINOD VARMA
Assistant Professor

HEAD OF THE DEPARTMENT UDA,
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296

Internal Examiner

External Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

CERTIFICATE



Accredited by NAAC

ENGINEERING COLLEGE

DEPARTMENT OF MANAGEMENT STUDIES

This is to certify that the Project work entitled - "A Study on "CONSUMER BEHAVIOUR TOWARDS E- BIKES", RAJAHMUNDRY that is being Submitted by MR. VANAPALLI PAVAN KUMAR (Regd. no. 20T91E0012) in partial fulfillment for the award of Master of Business Administration to the Jawaharlal Nehru Technology University, Kakinada is a record of Boniface work carried out by his under our guidance and supervision. The results presented in this project have not been submitted to any other university or institute for the award of any degree or diploma.

Head of the Department

Dr. P. Subba Rao
HEAD OF THE DEPARTMENT MBA
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City
RAJAHMUNDRY-533 296.
Internal Examiner

Signature of Guide

RAYAPROLU BALA DINAKAR

External Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.



GIET ENGINEERING COLLEGE

CHAITANYA NAGAR ON NH-16, RAJAMAHENDRAVARAM 533296, AP

CERTIFICATE OF DECLARATION

I solemnly declare that this project report A STUDY ON "CONSUMER BEHAVIOUR" with reference to "D-MART, RAJAHMUNDRY", is the bonafide work done purely by me, carried out under the supervision of R.RAJA, towards partial fulfillment of the requirements of the Degree of Master of Business Administration administered under the Regulations of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA. During the year of 2020-2021.

I also declare that no part of this document has been taken up verbatim from any source without the permission from the author. Wherever few sentences, findings, images, diagrams or any other piece of information has been used for the sake of completion of this work, I have adequately referred to the document source. In the event of any issue arising hereafter about this work, I shall be personally responsible. This project was undertaken as part of academic curriculum according to the Jawaharlal Nehru Technology University, Kakinada, norms and it has no commercial interest and Motive. It is my original work and not submitted to any other university/institution for Any purpose.

HEAD OF THE DEPARTMENT MBA
GIET ENGINEERING COLLEGE

Date: NH-16, Chaitanya Knowledge City
RAJAHMUNDRY-533 296.

V. Soma Shekar
Signature of the Student

V.SOMASHEKAR
(20T91E0013)

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.

CERTIFICATE



ENGINEERING COLLEGE

DEPARTMENT OF MANAGEMENT STUDIES

It is to certify that the Project work entitled - -A Study on "CUSTOMER SATISFACTION BASED ON RELIANCEJIO NETWORK" that is being Submitted by MR. SWAMY YEJJU (Regd. no. 20T91E0014) in partial fulfillment for the award of Master of Business Administration to the Jawaharlal Nehru Technology University, Kakinada is a record of Bonafede work carried out by his under our guidance and supervision. The results presented in this project have not been submitted to any other university or institute for the award of any degree or diploma.

Head of the Department
Dr.P.Subba Rao

Signature of Guide
Mr.K.Mahesh

HEAD OF THE DEPARTMENT MBA
GIET ENGINEERING COLLEGE
NH-16, Chaitanya Knowledge City
RAJAHMUNDRY-533 296.

External Examiner

Internal Examiner

Principal
GIET ENGINEERING COLLEGE,
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY-533 296.