

# PRIYADARSHINI INSTITUTE OF TECHNOLOGY & MANAGEMENT



**HEI code: C-18014**

**NAAC DVV**

**Cycle - 1**

**Criteria No: 1**  
**Curricular Aspects**  
**Key Indicator: 1.3**  
**Curriculum Enrichment**  
**Sub Key Indicator: 1.3.2(2)**

**Documents related to the students undertaken project work**



**Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada**  
**5<sup>th</sup> Mile, Pulladigunta(V), Kornepadu(P), Vatticherukuru(M)**  
**Guntur (Dt)-522017**

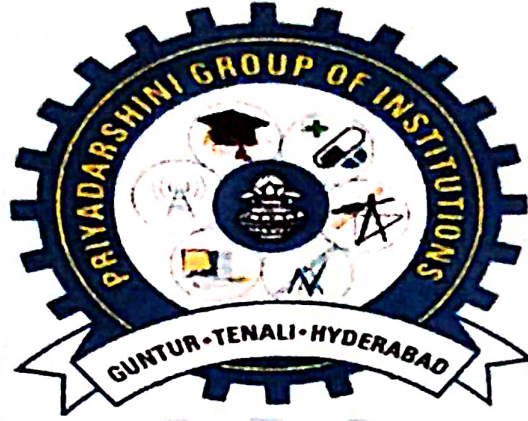
**9133331965**

**pitmgnt.ac.in**

**[gk.principal@jntuk.edu.in](mailto:gk.principal@jntuk.edu.in)**

**PRIYADARSHINI INSTITUTE OF TECHNOLOGY & MANAGEMENT**

(Approved by ACITE, Affiliated to JNTU Kakinada)



**5TH MIE PULLADIGUNTA (V), VATTICHERUKURU (M), GUNTUR DT. (A.P.)**

**DEPARTMENT OF CIVIL ENGINEERING**

**BONAFIDE CERTIFICATE**

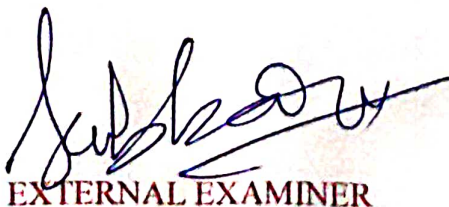
This is to certify that the project entitled **FATIGUE CRACK PROPAGATION IN REINFORCED CONCRETE MEMBER INCORPORATING BOND-SLIP EFFECT-P8** is a Bonafide work of **M.BHASKARARAO (19GK1A0133), GERA RAMYA(19GK1A0115), BADNAINI ANILKUMAR(19GK1A0102), KUNCHAPU NAGENDRA (19GK1A0131)**, for the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** for the academic year **2019-2023**. This work is done under our guidance and supervision.

  
INTERNAL GUIDE

**Ms.D.MARYKUMARI(M.Tech)**  
ASST.PROFESSOR

  
HEAD OF DEPARTMENT

**Mrs.S. MADHUBALA M.Tech**  
ASST. PROFESSOR

  
EXTERNAL EXAMINER

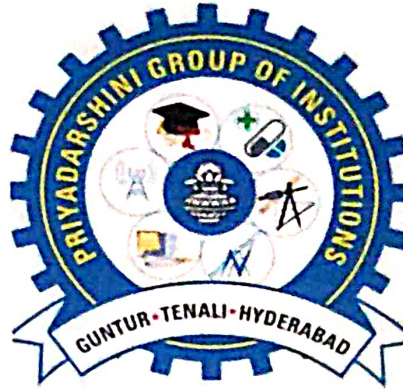
  
PRINCIPAL



# PRIYADARSHINI INSTITUTE OF TECHNOLOGY & MANAGEMENT

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5TH MAIL PILLADIGUNTA (V), VATTICHERUKURU (M), GUNTUR DT. (A.P).

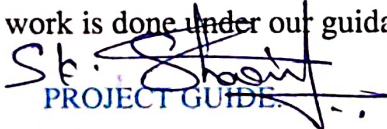


## DEPARTMENT OF CIVIL ENGINEERING

### BONAFIDE CERTIFICATE

This is to certify that the project entitled ASSESSMENT OF WATER QUALITY PARAMETERS OF RIVER KRISHNA AT VIJAYAWADA PROJECT is a bonafide project work carried out by Mr.SK. SAIDA [19GK1A0149], K. VIJAY KUMAR [19GK1A0123], K. SAI PRASAD [19GK1A0120] N. NARENDRA [19GK1A0138], B. PAVAN YADAV [19GK1A0103], B. SHANKAR RAJU [20GK5A0101] for the partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING for the academic year 2019-23.

This work is done under our guidance and supervision.

  
PROJECT GUIDE

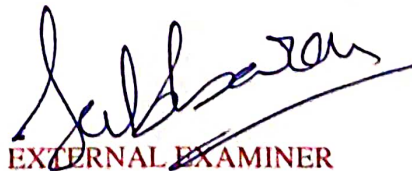
Mr.SK. NAGUR SHARIEF, M.Tech

Asst. Professor

  
HEAD OF THE DEPARTMENT

Mr. S. MADHUBALA, M.Tech

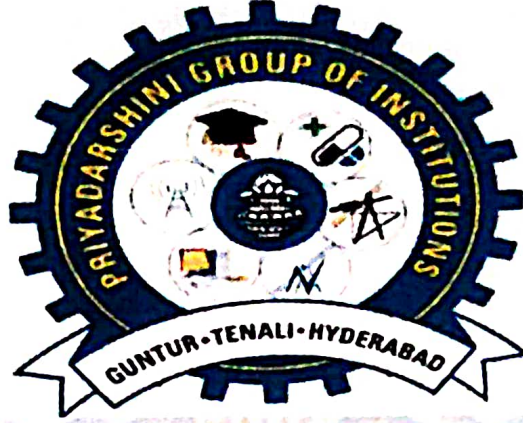
Asst. Professor

  
EXTERNAL EXAMINER

**PRIYADARSHINI INSTITUTE OF TECHNOLOGY & MANAGEMENT**

**(Approved by ACITE, Affiliated to JNTU-K Kakinada)**

**5TH MILE PULLADIGUNTA (V), VATTICHERUKURU (M), GUNTUR DT. (A.P.)**



**DEPARTMENT OF CIVIL ENGINEERING**

**BONAFIDE CERTIFICATE**

This is to certify that the project entitled **SEISMIC ANALYSIS OF GROUND SUPPORTED LIQUID RETAINING CONCRETE TANK** is a Bonafide work of **S.ESWARARAO(19GK1A0145),M.TEJA(19GK1A0134),K.PRAMEELA(19GK1A0132), N.AMAR BALAJI (20GK5A0103)** for the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING** for the academic year 2019-2023. This work is done under our guidance and supervision.

  
INTERNAL GUIDE

Mr. SK. NAGUR SHARIEF M.Tech  
ASST.PROFESSOR

  
HEAD OF DEPARTMENT

Mrs .S. MADHUBALA M.Tech  
ASST. PROFESSOR

  
EXTERNAL EXAMINER

  
PRINCIPAL

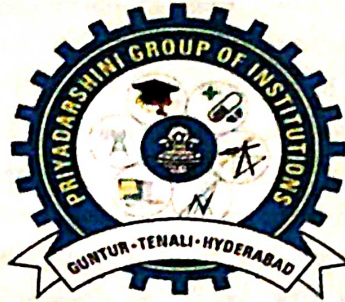


**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

(AFFILIATED TO JNTU KAKINADA, APPROVED BY AICTE)


5<sup>TH</sup> MILE(V), VATTICHERUKURU(M), GUNTUR DISTRICT, A.P-522017

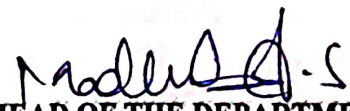
**DEPARTMENT OF CIVIL ENGINEERING**

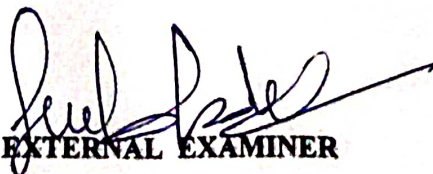


**CERTIFICATE**

This is to certify that the project report entitled as “REVIEW OF AIR QUALITY : A CASE STUDY IN AND AROUND VIJAYAWADA” being submitted **VANJARAPU MAHESH (19GK1A0155); BOGADI BHAVANA (19GK1A0105) ; SHAIK NAGOOR BAJI (19GK1A0148) ; KUKKALA VAMSI KRISHNA (19GK1A0129); NAYAKULA MANOJ KUMAR (19GK1A0137)** by in partial fulfillment of the requirements for the award of the degree of “BACHELOR of Technology in CIVIL ENGINEERING” during 2019-2023. The results of investigation enclosed in this report have been verified and found satisfactory. The results embodied in the project have not been submitted to any university or institute for the award of any other Degree or Diploma.

  
PROJECT GUIDE  
Mr. KOTA DAYAKARA BABU, M.TECH  
ASST.PROFESSOR

  
HEAD OF THE DEPARTMENT  
Mrs. S. MADHUBALA, M.TECH  
ASST.PROFESSOR

  
EXTERNAL EXAMINER

**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

**(AFFILIATED TO JNTUKAKINADA, APPROVED BY AICTE)**

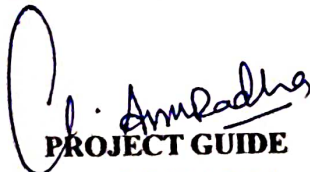
**5TH MILE (V), VATTICHERUKURU (M), GUNTUR DIST, A.P-522017**

**DEPARTMENT OF CIVIL ENGINEERING**

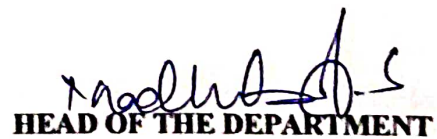


**CERTIFICATE**

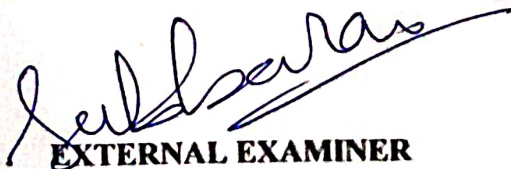
This is to certify that the project report entitled as "ANALYSIS AND DESIGN OF G+2 RESIDENTIAL BUILDING USING AUTOCAD AND STAAD PRO" being submitted **K.NAGA VENKATA TEJA (19GK1A0130), SHAIK NAGEENA (19GK1A0147), K.VENKAIAH (19GK1A0128), U.PRASAD (19GK1A0153), B.SRIKANTH (19GK1A0104)** by in partial fulfillment of the requirements for the award of the degree of "BACHELOR of TECHNOLOGY in CIVIL ENGINEERING" during 2019-2023. The results of investigation enclosed in this report have been verified and found satisfactory. The results embodied in the project have not been submitted to any university or institute for the award of any other degree or diploma.

  
**PROJECT GUIDE**

**Ms. G. ANURADHA, B.TECH  
ASST. PROFESSOR**

  
**HEAD OF THE DEPARTMENT**

**Mrs. S. MADHUBALA, M.TECH  
ASST. PROFESSOR**

  
**EXTERNAL EXAMINER**

  
**PRINCIPAL**



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5<sup>th</sup> MILE (V), VATTICHERUKURU (M), GUNTUR DIST, A.P-522017

**DEPARTMENT OF CIVIL ENGINEERING**




**CERTIFICATE**

This is to certify that the project report entitled as “DOMESTIC WASTE WATER TREATMENT” being submitted **SAIKAM NAGENDRA VARMA (19GK1A0144) ; KOMMANABOINA ANUSHA (19GK1A0127); DOPPALAPUDI AVINASHI (19GK1A0109) ; GUNTAGANI SAGAR (19GK1A0117)** by in partial fulfillment of the requirements for the award of the degree of “BACHELOR of Technology in CIVIL ENGINEERING” during 2019-2023. The results of investigation enclosed in this report have been verified and found satisfactory. The results embodied in the project have not been submitted to any university or institute for the award of any other degree or diploma.



**PROJECT GUIDE**  
Mrs. S. MADHUBALA, M. TECH  
ASST.PROFESSOR

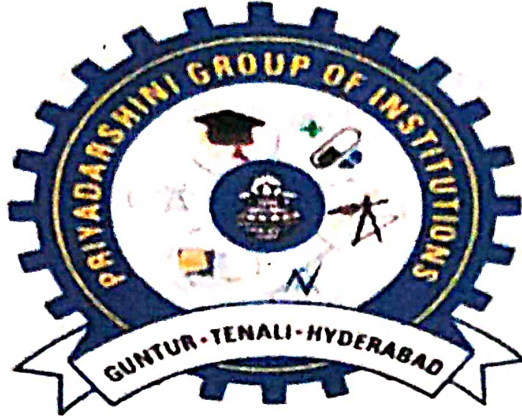
  
**HEAD OF THE DEPARTMENT**  
Mrs. S. MADHUBALA, M. TECH  
ASST. PROFESSOR

  
**EXTERNAL EXAMINER**

**PRIYADARSHINI INSTITUTE OF TECHNOLOGY & MANAGEMENT**

**(Approved by ACITE, Affiliated to JNTU-K Kakinada)**

**5TH MILE PILLADIGUNTA (V), VATTICHERUKURU (M), GUNTUR DT. (A.P.)**



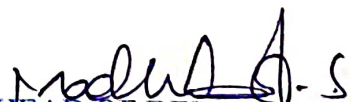
**DEPARTMENT OF CIVIL ENGINEERING**

**BONAFIDE CERTIFICATE**

This is to certify that the project entitled **STRENGTH STUDIES ON GRAPHENE OXIDE CONCRETE USING ADMIXTURES** is a bonafide work of **S. SULTHAN BASHA (19GK1A0150), K.JADEESHWAR (19GK1A0124), D.BHARATH KUMAR(19GK1A0110), K.SUDHEERBABU (19GK1A0157), P.RAMU(19GK1A0139)** of for the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **CIVIL ENGINEERING** for the academic year 2019-2023. This work is done under our guidance and supervision.

  
INTERNAL GUIDE

Mr. DR. B. KIRAN KUMAR, M.TECH, Ph. D

  
HEAD OF DEPARTMENT  
Mrs. S. MADHUBALA, M.TECH

  
EXTERNAL EXAMINER

  
PRINCIPAL



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5th mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017

DEPARTMENT OF CIVIL ENGINEERING



## CERTIFICATE

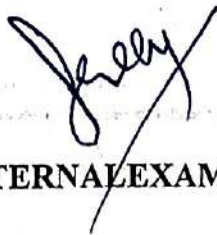
This is to certify that the project report entitled as "STUDY AND PROPERTIES OF MODIFIED REACTIVE POWDER CONCRETE" being submitted by K RAMYA (Regd.No:21GK1D8701) in partial fulfillment of the requirements for the award of the degree of "Master of Technology in CIVIL ENGINEERING with specialization in SE" during 2021-2023. The results of investigation enclosed in this report have been verified and found satisfactory. The results embodied in the project have not been submitted to any university or institute for the award of any other degree or diploma.

  
PROJECT GUIDE

Mr. SK. SHAREEF, M.TECH  
ASST. PROFESSOR

  
HEAD OF THE DEPARTMENT

Mrs. S. MADHUBALA, M.TECH  
ASST. PROFESSOR



EXTERNAL EXAMINER

# PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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5th mile (V), Vatticherukuru (M), Guntur Dist., A.P-522017

DEPARTMENT OF CIVIL ENGINEERING



## CERTIFICATE

This is to certify that the project report entitled as "EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF COARSE AGGREGATE WITH COCONUT SHELL AND CEMENT WITH METAKAOLIN WITH ADDITION OF FIBERS " being submitted by D.MARY KUMARI ( Regd. No: 21GK1D8702) in partial fulfillment of the requirements for the award of the degree of "Master of Technology in CIVIL ENGINEERING with specialization in SE" during 2020- 2022. The results of investigation enclosed in this report have been verified and found satisfactory. The results embodied in the project have not been submitted to any university or institute for the award of any other degree or diploma.

*K. Dayakara Babu*  
PROJECT GUIDE

Mr. K.DAYAKARA BABU, M. TECH  
ASST.PROFESSOR

*Ife K. Dayakara Babu*  
HEAD OF THE DEPARTMENT  
Mrs. S. MADHUBALA, M. TECH  
ASST.PROFESSOR

*Jerly*  
EXTERNAL EXAMINER



**DEPARTMENT OF ELECTRICAL & ELECTRONIC ENGINEERING  
PRIYADARSHINI INSTITUTE OF TECHNOLOGY & MANAGEMENT**

(Approved by AICTE & Affiliated to JNTUK, Kakinada)  
5<sup>TH</sup> Mile ( Vill ) , Vatticherukuru(M),Guntur , Andhra Pradesh

**CERTIFICATE**



This is to certify that the report "AN INTEGRATED DYNAMIC VOLTAGE RESTORER-ULTRACAPACITOR DESIGN FOR IMPROVING POWER QUALITY OF THE DISTRIBUTION GRID" entitled is the bonafide work of Ch.Devendra (19GK1A0204), K.Dileep kumar (19GK1A0207), P.Ganesh (19GK1A0211), N.Narendra Reddy(20GK5A0204), submitted for the partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical & Electronics Engineering by JNTUK, Kakinada during the academic year 2015-2020

  
Guide

**Dr. D. SRINIVASARAO<sub>Ph.D</sub>**  
Associate professor

  
EXTERNAL EXAMINAR

  
HEAD OF THE DEPARTMENT  
**Dr. D. SRINIVASARAO<sub>Ph.D</sub>**  
Associate professor

  
PRINCIPAL

**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**  
(Approved by AICTE & Affiliated to JNTU, Kakinada) Pulladigunta(V),  
Vatticherukuru(M), Guntur(Dt.) 522018 AP.



## CERTIFICATE


This is to certify the foregoing thesis entitled "DC-DC BOOST CONVERTER  
FUNCTIONALITY IN A THREE PHASE INDIRECT MATRIX CONVERTER" is benefited work  
carried out by

V.UDAY KIRAN	(19GK1A0216)
W.TARUN	(20GK5A0207)
S.PRASANNA KUMAR	(19GK1A0213)
P.RAMESH	(19GK1A0210)

under our supervision and guidance in partial fulfillment of the requirements for the award of  
BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING

The content of the thesis has not been submitted earlier for the award of any degree or  
certificate and I heartily comment the work done by him in this connection.

  
**Guide**  
T.RAMANJANEYULU M.TECH  
Assistant prof

  
**Head of department**  
DR.D.SRINIVASA RAO Ph.D  
Associate Professor & Head of Dept EEE

  
External Examiner

  
Principal



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

**(Approved by AICTE & Affiliated to JNTU, Kakinada) Pulladigunta(V),**

**Vatticherukuru(M), Guntur(Dt.) 522018 AP.**

**2019-2023**



**CERTIFICATE**

This is to certify the fore going thesis entitled "CONTROL OF SMALL WIND TURBINE IN THE HIGH WIND SPEED REGION" is Benefited work carried out by **B.DEVENDRA (19GK1A0203), K.NARESH (19GK1A0208) CH.ANIL (19GK1A0205) S.MUTHAIAH (19GK1A0214) P.HARIKRISHANA (20GK5A0205)** ., under our supervision and guidance in partial fulfillment of the requirements for the award of BACHELAR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING .

The content of the thesis has not been submitted earlier for the award of any degree or certificate and I heartily comment the work done by him in this connection.

*K. Deepika*  
**Guide**

**Mrs.K.DEEPIKA, M.Tech**  
Assistant Professor

*Dr. D. S. Rao*  
**Head of department**

**Dr.D.Srinivasarao, ph.d**  
Associate Professor & Head of Dept. EEE

*G. Hanumanth*  
**External Examiner**

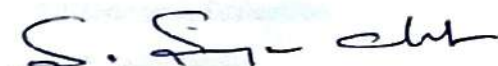
*Principals*  
**PRINCIPAL**

**DEPARTMENT OF ELECTRICAL&ELECTRONIC ENGINEERING  
PRIYADARSHINI INSTITUTE OF TECHNOLOGY & MANAGEMENT  
(Approved by AICTE & Affiliated to JNTUK, Kakinada) 5<sup>TH</sup> Mile ( Vill)  
Vatticherukuru(M),Guntur , Andhra Pradesh**

**CERTIFICATE**



This is to certify that the report entitled is the bonafide work Of A New approach to multi function dynamic voltage restorer implementation for emergency control in distribution system B.Ramu(19GK1A0202),G.Anil(19GK1A0201),Sk.Parvez((19GK1A0212),S.Someshkumar(20GK5A0206),submitted for the partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical& Electronics Engineering by JNTUK, Kakinada during the academic year 2019-2023

  
Guide

S.SURYA CHANDRA

Associate professor



HEAD OF THE DEPARTMENT

Dr. D. SRINIVASARAO<sub>Ph.D</sub>

Associate professor

  
EXTERNAL EXAMINAR

  
PRINCIPAL



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

(Affiliated to JNTU Kakinada & approved by AICTE, New Delhi) 5th mile (V),

Vatticherukuru (M), Guntur Dist, A.P-522017

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**



**CERTIFICATE**

This is to certify that the project report entitled “**A REVIEW ON SOLAR POWER GENERATION SYSTEM WITH A SEVEN-LEVEL INVERTER**” that is being submitted by **Mr. Roshan Kumar** bearing **Roll. No: 21GK1D5601** in partial fulfillment of the requirement for the award of the degree of the **Master of Technology in Power Systems** during 2021-2023. The results of investigation enclosed in this report have been verified and found satisfactory. The results embodied in the project have not been submitted to any university or institute for the award of any other degree or diploma.

*K. Deepika*  
Internal guide  
Ms. K. Deepika  
Assistant Professor,

*Dr. D. S. Rao*  
Head of the department  
Dr. D. Srinivasa Rao  
Professor & HOD-EEE.

*N. L. Srinivas*  
External Examiner

**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

(Affiliated to JNTU Kakinada & approved by AICTE, New Delhi)

5th mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**



**CERTIFICATE**

This is to certify that the project report entitled "A review on STATCOM Control scheme for grid connected Wind Energy system for Power Quality Improvement" that is being submitted by Mr. Velamala Aravind bearing Roll. No: 21GK1D5603 in partial fulfillment of the requirement for the award of the degree of the Master of Technology in Power Systems during 2021-2023. The results of investigation enclosed in this report have been verified and found satisfactory. The results embodied in the project have not been submitted to any university or institute for the award of any other degree or diploma.

  
Internal guide

Mr. S. Surya Chandra

Assistant Professor

  
Head of the department

D. Srinivasa Rao

Professor & HoD- EEE

  
EXTERNAL EXAMINER



PRIYADARSHINI INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Approved by AICTE, Affiliated to JNTU- Kakinada)

5TH MILE, PILLADIGUNTA (V), VATTICHERUKURU (M), GUNTUR (Dt.). A.P.



DEPARTMENT OF MECHANICAL ENGINEERING

**BONAFIDE CERTIFICATE**

This is to certify that the project entitled" **DESIGN AND ANALYSIS OF BI-METAL VALVE** " is a bonafied work is CH. VENKATESWARARAO(19GK1A0305), K.T.N.VAMSI KRISHNA(19GK1A0317), P. RAJESH (19GK1A0334). In the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** for the academic year **2019-23**. This work is done under our guidance and supervision.

INTERNAL GUIDE  
Sri. K.SAMBAIAH (M.Tech)

HEAD OF THE DEPARTMENT  
Sri. D. L. KOMALA RAO (M.Tech)

EXTERNAL EXAMINER

  
PRINCIPAL 17/4/23

Sri. Dr. B. KIRAN KUMAR (Ph.D)



PRIYADARSHINI INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Approved by AICTE, Affiliated to JNTU Kakinada)

5TH MILE, PULLADIGUNTA (V), VATTICHERUKURU (M), GUNTUR DT. (A.P.)



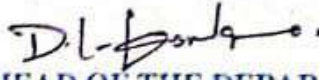
DEPARTMENT OF MECHANICAL ENGINEERING

BONAFIDE CERTIFICATE


This is to certify that the project entitled **DESIGN AND FE ANALYSIS OF TURBINE BLADE** is a bonafide project work carried out by **DHAREDLA RAMA LAKSHMA REDDY (19GK1A0308), PERUMALLA SIVA SANKAR (19GK1A0335), RAJABOINA NAGARAJU (19GK1A0336), KURAPATI NAVEEN CHOWHAL (19GK1A0323), NOMULA MANOHAR (20GK5A0304)** for the partial fulfilment of the requirement of the award of the degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** for the academic year 2019-2023. This work is done under our guidance and supervision.

  
INTERNAL GUIDE:

**Ms. U.KAVYA (M.Tech)**  
Assistant Professor

  
HEAD OF THE DEPARTMENT:

**Mr. D.L. KOMALA RAO (M.Tech)**  
Assistant Professor

  
EXTERNAL EXAMINER

  
PRINCIPAL 17/4/23



PRIYADARSHINI INSTITUTE OF TECHNOLOGY & MANAGEMENT

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5TH MILE PILLADIGUNTA (V), VATTICHERUKURU (M), GUNTUR DT. (A.P.)

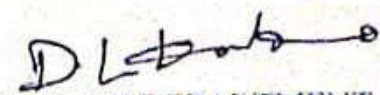


DEPARTMENT OF MECHANICAL ENGINEERING

**BONAFIDE CERTIFICATE**

This is to certify that the project entitled **MODELLING AND ANALYSIS OF THE MARINE PROPELLER** is a Bonafide work of **K.AJAY KUMAR (19GK1A0318), K.PRASANTH RAO (19GK1A0319), P.MADHAVA RAO (19GK1A0333)** for the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** for the academic year 2019-2023. This work is done under our guidance and supervision.

  
INTERNAL GUIDE  
Mr. M.NAGAI AH

  
HEAD OF DEPARTMENT  
MR.D.L.KOMALA RAO

  
EXTERNAL EXAMINER

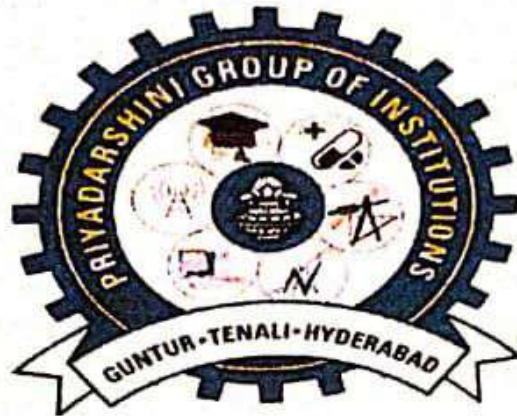
  
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**PRIYADHARSHINI INSTITUTE OF TECHNOLOGY & MANAGEMENT**

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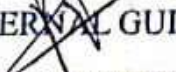
5TH MILE, PILLAMUGENTLA(V), YADRI DEPO AREA (M), GUNTUR DIST. (A.P.)

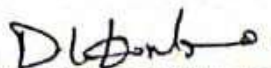


**DEPARTMENT OF MECHANICAL ENGINEERING**

**BONAFIDE CERTIFICATE**

This is to certify that the project entitled **MODELING AND FATIGUE ANALYSIS OF AUTOMOTIVE WHEEL RIM** is a Bonafide work of **K. VARUN KUMAR (19GK1A0322), M.PURUSHOTHAM (19GK1A0327), M.HARI SIVA NARAYANA (19GK1A0330), Y.VENKATESH (20GK5A0306)** for the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** for the academic year 2019-2023. This work is done under our guidance and supervision.

  
INTERNAL GUIDE  
MR.P. PRAVEEN

  
HEAD OF DEPARTMENT  
MR.D.L. KOMALA RAO

  
EXTERNAL EXAMINER

  
PRINCIPAL 10/4/23



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**5TH MAIL PILLADIGUNTA (V), VATTICHERUKURU (M), GUNTUR DT. (A.P).**



**DEPARTMENT OF MECHANICAL ENGINEERING**

**BONAFIDE CERTIFICATE**

This is to certify that the project entitled **DESIGN AND ANALYSIS OF CYLINDRICAL FINS AND WITHOUT HOLES** is a bonafide work of **L.DALI NAIDU (19GK1A0325), Y.RAJ KU MAR (19GK1A0342), D.PREMDARSHAN (19GK1A0307), B.VENKATESH (19GK1A0302) and S.MUBASHAR (20GK5A0305)** for the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** for the academic year 2019-23. This work is done under our guidance and supervision.

*G.V.G.K. Reddy*  
INTERNAL GUIDE  
Mr.G.V.G.KRISHNA REDDY

*D.L. Komala Rao*  
HEAD OF THE DEPARTMENT  
Mr.D.L.KOMALA RAO

*[Signature]*  
EXTERNAL EXAMINER

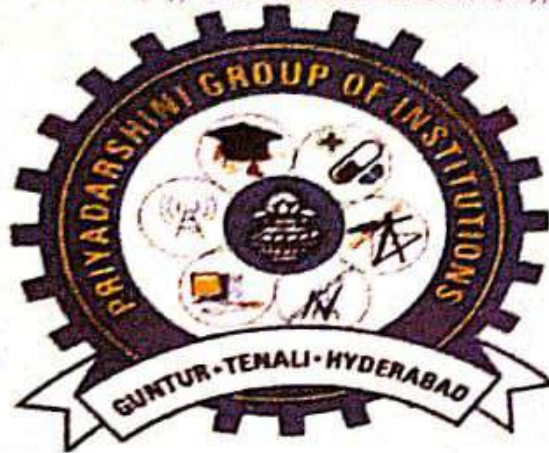
*[Signature]*  
PRINCIPAL



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5TH MILE PULLADIGUNTA (V), VATTICHERUKURU (M), GUNTUR DT. (A.P.)



DEPARTMENT OF MECHANICAL ENGINEERING

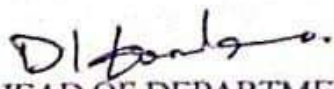
**BONAFIDE CERTIFICATE**

This is to certify that the project entitled **THERMAL ANALYSIS OF INVESTIGATION ON SOLAR AIR HEATER DUCT** is a Bonafide work of **T.MAHENDRA (19GK1A0339), L.SAI KUMAR (19GK1A0326)** for the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** for the academic year 2019-2023. This work is done under our guidance and supervision.

  
INTERNAL GUIDE

MR. Y. GOPI M.Tech

ASST.PROFESSOR

  
HEAD OF DEPARTMENT

MR.D.L.KOMALA RAO M.Tech

ASST.PROFESSOR

  
EXTERNAL EXAMINER

  
PRINCIPAL 11/4/23



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5TH MILE PULLADIGUNTA (V), VATTICHERUKURU (M), GUNTUR DT. (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING

**BONA FIDE CERTIFICATE**

This is to certify that the project entitled **IMPLEMENTATION OF DATA DRIVEN MACHINE LEARNING MODELS FOR DESIGN AND PERFORMANCE OPTIMIZATION OF EVACUATED U-TUBE SOLAR COLLECTOR** is a Bonafide work of **TULUGU PAVAN KALYAN(19GK1A0340), GURRAM NARASIMHA RAJU(19GK1A0314), NADYALA RAVI(19GK1A0331), BANGARU GOPAL(19GK1A0301), DOKKU MANOJ KUMAR(19GK1A0310)** for the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** for the academic year 2019-2023. This work is done under our guidance and supervision.

  
INTERNAL GUIDE

**Dr.B.KIRAN KUMAR**

(M.Tech,Ph.D.)

  
HEAD OF DEPARTMENT

**MR.D.L.KOMALA RAO**

(M.Tech,Asst.prof.)

  
**EXTERNAL EXAMINER**

  
**PRINCIPAL**



PRIVADARSHINI INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Approved by ACTE, Affiliated to JNTU Kakinada)



5TH MILE PULLADIGUNTA (V), VATTICHERUKURU (M), GUNTUR DT. (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING

**BONA FIDE CERTIFICATE**

This is to certify that the project entitled **DESIGN OF THE FINITE ELEMENT ANALYSIS OF FRICTION STIR WELDING USING DEFORM 3D** is a Bonafide work of **K. MANOJ KARUNA MURTHY(19GK1A0316), S.THARUN KUMAR REDDY(19GK1A0338)**, for the partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** for the academic year **2019-2023**. This work is done under our guidance and supervision.

*D.L. Komala Rao*

INTERNAL GUIDE

Mr.D.L.KOMALA RAO  
M.tech

*Amir*

EXTERNAL EXAMINER

*D.L. Komala Rao*

HEAD OF DEPARTMENT

Mr.D.L.KOMALA RAO  
M.tech, Asst.prof.

*Bluer*  
PRINCIPAL *17/4/23*



DEPARTMENT OF ELECTRONICS & COMMUNICATIONS  
ENGINEERING

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(Affiliated to J.N.T.U Kakinada University & approved by A.I.C.T.E., New Delhi)

5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



**CERTIFICATE**

Certified that this project work titled **A LOW- POWER SINGLE -PHASED CLOCK DISTRIBUTION USING VLSI TECHNOLOGY ON ECE** is bonafied work done

By

Under my guidance and submitted in partial fulfillment for the award of the degree,  
**Bachelor of Technology in ECE**

**A. JAGADEESH**  
**A.SAI KRISHNA**  
**B.GIRISH**  
**B.DAYANIDHI**

**19GK1A0401**  
**19GK1A0404**  
**19GK1A0405**  
**19GK1A0410**

*P. Ratnavali*

**Project Guide**

**Mrs. P.RATNAVALI, M.Tech**  
**Assistant professor**

*U. Venkatesh*

**Head, ECE**

**Mr. B. Venkatesh, M.Tech**  
**Associate Professor**

*[Signature]*  
**External Examiner:**

DEPARTMENT OF ELECTRONICS & COMMUNICATION  
ENGINEERING

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5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



CERTIFICATE

Certified that this project work titled **AREA DELAY EFFICIENT BIARAY ADDERS QCA**

ON ECE is bonafied work done

By

B.NAGA LAKSHMI  
B.VANDANA  
B. DIWAKAR REDDY  
B. RAJESH

19GK1A0411  
19GK1A0412  
19GK1A0413  
19GK1A0414

Under my guidance and submitted in partial fulfillment for the award of the degree,

**Bachelor of Technology in ECE**

*Sk. Shabhana*  
Project Guide

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*Utsav*  
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*Mr. Venkatesh*  
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DEPARTMENT OF ELECTRONICS & COMMUNICATION  
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PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT  
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5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



CERTIFICATE

Certified that this project work titled DATA ENCODING TECHNIQUES FOR REDUCING ENERGY CONSUMPTION IN NETWORK ON-CHIP ON ECE is bonafied work done

By

B.RAMYA  
CH.MANOJ KUMAR  
CH.SURENDRA BABU  
CH.NAVIKANTH

19GK1A0415  
19GK1A0417  
19GK1A0418  
19GK1A0419

Under my guidance and submitted in partial fulfillment for the award of the degree,  
**Bachelor of Technology in ECE**

**Project Guide**

Mr. S.Vijay, M.Tech  
Assistant professor

**Head, ECE**

Mr.B . Venkatesh, M.Tech  
Associate Professor

**External Examiner:**

DEPARTMENT OF ELECTRONICS & COMMUNICATION  
ENGINEERING

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(Affiliated to J.N.T.U Kakinada University & approved by A.I.C.T.E., New Delhi)

5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



CERTIFICATE

Certified that this project work titled DESIGN OF HIGH SPEED SHIFT REGISTERS  
USING PULSED LATCHES ON ECE is bonafied work done

By

CH.KIRAN  
CH.HARI PRASAD  
CH.LINGANNA  
CH.NAGA SAI KRISHNA KUMAR

19GK1A0420  
19GK1A0421  
19GK1A0422  
19GK1A0423

Under my guidance and submitted in partial fulfillment for the award of the degree,  
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*SK. Shabana*  
Project Guide

Mrs.SK.SHABANA, M.Tech  
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*Utsav*  
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Mr.B. Venkatesh, M.Tech  
Associate Professor

*No 19/4/23*  
External Examiner:



DEPARTMENT OF ELECTRONICS & COMMUNICATION  
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PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT  
(Affiliated to J.N.T.U Kakinada University & approved by A.I.C.T.E., New Delhi)  
5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



CERTIFICATE

Certified that this project work titled **ELECTRONIC NOTICE BOARD BY USING GSM TECHNOLOGY ON ECE** is bonafied work done

By

D.GANAPATHI

19GK1A0425

E.SASHIDHAR

19GK1A0426

G. MADHAN MOHAN REDDY

19GK1A0428

G. ADARSSH

19GK1A0429

Under my guidance and submitted in partial fulfillment for the award of the degree,


**Bachelor of Technology in ECE**

  
Project Guide

  
Head, ECE

MISS G. VIJAYA, M.Tech  
Assistant professor

Mr. B. VENKATESH, M.Tech  
Associate Professor

  
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DEPARTMENT OF ELECTRONICS & COMMUNICATION  
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5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



CERTIFICATE

Certified that this project work titled **HOME AUTOMATION BY USING GSM TECHNOLOGY** is  
bonafied work done

By

G.NAVA CHAITANYA SAI  
G.RAJESH  
K. GOPI CHAND  
K. DINESH SAI

19GK1A0432  
19GK1A0434  
19GK1A0436  
19GK1A0434

Under my guidance and submitted in partial fulfillment for the award of the degree.

Bachelor of Technology in ECE

  
Project Guide

Mr. B. Venkatesh ,M.Tech  
Associate Professor

  
Head, ECE

Mr. B. Venkatesh ,M.Tech  
Associate Professor

  
External Examiner:



DEPARTMENT OF ELECTRONICS & COMMUNICATION  
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PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(Affiliated to J.N.T.U Kakinada University & approved by A.I.C.T.E., New Delhi)

5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



CERTIFICATE

ified that this project work titled **VEHICLE ACCIDENT DETECTION USING GSM AND  
GPS BASED ON IOT** is bonafied work done

By

K.HARSHAVARDHAN

19GK1A0438

K.VAMSI KRISHNA

19GK1A0439

K. AKASH CHOWDARY

19GK1A0440

K. SUSHMITHA

19GK1A0442

Under my guidance and submitted in partial fulfillment for the award of the degree,

**Bachelor of Technology in ECE**

*B. Lakshmi*  
Project Guide

*Venkatesh*  
Head, ECE

Miss B. Lakshmi, M.Tech  
Assistant professor

Mr. B. Venkatesh, M.Tech  
Associate Professor

*[Signature]*  
External Examiner:

DEPARTMENT OF ELECTRONICS & COMMUNICATION  
ENGINEERING

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(Affiliated to J.N.T.U Kakinada University & approved by A.I.C.T.E., New Delhi)

5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



CERTIFICATE

**Certified that this project work titled WAR FIELD SPYINGROBOT WITH NIGHT VISION  
CEMERA BY USING RFID is bonafied work done**

By

K.VENKATA VIKAS  
L.SANDEEP KUMAR  
M. KIRAN KUMAR  
M. SRIKANTH

19GK1A0443  
19GK1A0445  
19GK1A0447  
19GK1A0449

Under my guidance and submitted in partial fulfillment for the award of the degree,

**Bachelor of Technology in ECE**

*P. Ratnavali*  
**Project Guide**

*Mr. B. Venkatesh*  
**Head, ECE**

MISS P.RATNAVALI, M.Tech  
Assistant professor

Mr. B.VENKATESH ,M.Tech  
Associate Professor

*Mr. B. Venkatesh*  
**External Examiner:**



DEPARTMENT OF ELECTRONICS & COMMUNICATION  
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PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



CERTIFICATE

Certified that this project work titled **SMART BUS TRACKING SYSTEM AND LOCATION AWARE SERVICE USING RFID** is bonafied work done

By

M. TRIVENI  
M. MANOHAR  
M. RIYAZ  
N. KARTHIK

19GK1A0450  
19GK1A0452  
19GK1A0453  
19GK1A0455

Under my guidance and submitted in partial fulfillment for the award of the degree,


Bachelor of Technology in ECE

  
Project Guide

Mr. B. VENKATESH, M.Tech  
Associate Professor

  
Head, ECE

Mr. B. VENKATESH, M.Tech  
Associate Professor

  
External Examiner:

DEPARTMENT OF ELECTRONICS & COMMUNICATION  
ENGINEERING

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



CERTIFICATE

Certified that this project work titled **OVER SPEED DETECTION** is bonafied work done

By

N.BHARATH  
O.TEJASWINI  
P. NAGA BRAHAMAM  
P.MAHAMMAD RAFI

19GK1A0457  
19GK1A0458  
19GK1A0459  
19GK1A0461

Under my guidance and submitted in partial fulfillment for the award of the degree,

Bachelor of Technology in ECE

Project Guide

Mr. B.VENKATESH ,M.Tech  
Associate Professor

Head, ECE

Mr. B.VENKATESH ,M.Tech  
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External Examiner:



DEPARTMENT OF ELECTRONICS & COMMUNICATION  
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PRIVADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(Affiliated to J.N.T.U Kakinada University & approved by A.I.C.T.E., New Delhi)

5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



CERTIFICATE

Certified that this project work titled **SOLAR TRACKING SYSTEM** is bonafied work done

By

P.LAKSHMI NARASIMHA  
P.LAKSHMI NIMESHA  
P. SANTHOSH  
P.NAGA MANIKANTA

19GK1A0462  
19GK1A0463  
19GK1A0465  
19GK1A0467

Under my guidance and submitted in partial fulfillment for the award of the degree,  
**Bachelor of Technology in ECE**

  
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Assistant professor

  
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Mr. B. VENKATESH garu, M.Tech  
Associate Professor

  
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5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



CERTIFICATE

**Certified that this project work titled Design And Implementation of Homomorphism Encryption and Decryption Using Hybrid Finite Field Elliptic Curve Architecture is bonafied work done**

By

R.SESHADRI REDDY  
SK.SIDSVALI  
SK.MADAR ROSHAN  
SK.ZAKIR SHAREEF

19GK1A0468  
19GK1A0471  
19GK1A0472  
19GK1A0474

Under my guidance and submitted in partial fulfillment for the award of the degree,

**Bachelor of Technology in ECE**

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**Head, ECE**

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Assistant professor

**Mr. B.VENKATESH garu, M.Tech**  
Associate Professor

**External Examiner:**



DEPARTMENT OF ELECTRONICS & COMMUNICATION  
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PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(Affiliated to J.N.T.U Kakinada University & approved by A.I.C.T.E., New Delhi)

5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



CERTIFICATE

Certified that this project work titled **DESIGN OF HIGH SPEED AND AREA EFFICIENT HYBRID HANCARLSON ADDER USING PRPG** is **bonafied work done**

By

S.MALLIKA  
S.MAHESH  
S.RAJA REDDY  
T.RAVI

19GK1A0475  
19GK1A0476  
19GK1A0477  
19GK1A0480

Under my guidance and submitted in partial fulfillment for the award of the degree,

**Bachelor of Technology in ECE**

  
**Project Guide**

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Assistant professor

  
**Head, ECE**

**MR. B. VENKATESH, M.Tech**  
Associate Professor

  
**External Examiner:**

DEPARTMENT OF ELECTRONICS & COMMUNICATION  
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PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT  
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5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist. A.P-522017



CERTIFICATE

Certified that this project work titled IMPLEMENTATION OF ADDER AND MULTIPLEXER BY USING REVERSIBLE DECODER is bonafied work done


By

U.SAI KRISHNA  
V.SAI SREE  
Y.REVANTH  
K.GANESH  
K.ESWAR KUMAR

19GK1A0481  
19GK1A0483  
19GK1A0484  
19GK5A0401  
19GK5A0402

Under my guidance and submitted in partial fulfillment for the award of the degree,  
Bachelor of Technology in ECE

B. Lakshmi  
Project Guide

  
Head, ECE

MISS. B.LAKSHMI, M.Tech  
Assistant professor

Mr. B. VENKATESH, M.Tech  
Associate Professor

  
External Examiner:



**DEPARTMENT OF ELECTRONICS & COMMUNICATION  
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**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

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5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



**CERTIFICATE**

Certified that this project work titled DESIGN AND IMPLEMENTATION OF HIGH SECURE VLSI  
BASED MN-HOMOMORPHIC ENCRYPTION is bonafied work done By

**MR. A. SIVANARAYANA**

**(20GK1D5701)**

Under my guidance and submitted in partial fulfillment for the award of the degree,  
**Master of Technology in VLSI**



**Project Guide**

**Mr. S. Vijay, M.Tech**

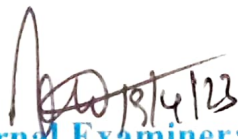
**Assistant professor**



**Head, ECE**

**Mr. B. Venkatesh garu, M Tech**

**Associate Professor**



**External Examiner:**

**DEPARTMENT OF ELECTRONICS & COMMUNICATION  
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5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



**CERTIFICATE**

Certified that this project work titled **DESIGN AN HIGH SPEED AND AREA EFFICIENT PIPELINE PARALLEL PA FOR MAC UNIT** is bonafied work done By

**B.RAMESH CHANDER**

**(20GK1D5702)**

Under my guidance and submitted in partial fulfillment for the award of the degree,  
**Master of Technology in VLSI**

  
**Project Guide**

**Mr. B.Venkatesh garu, M.Tech**

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**Head, ECE**

**Mr. B. Venkatesh garu, M.Tech**

**Associate Professor**

  
**External Examiner:**



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

(AFFILIATED TO JNTU KAKINADA, APPROVED BY AICTE) 5<sup>TH</sup>


MILE(V), VATTICHERUKURU(M), GUNTUR DISTRICT, A.P-522017

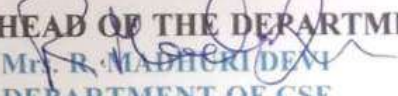
*DEPARTMENT OF COMPUTER SCIENCE ENGINEERING*

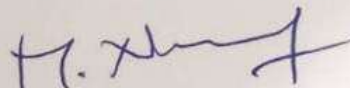


**CERTIFICATE**

This is to certify that the project report entitled as **“PROVIDING SOFTWARE SECURITY USING MACHINE LEARNING”** being submitted **AVULAMANDA GRUHA LAKSHMI (19GK1A0501); DEVARAPALLI SUMANTH(19GK1A0507); GALIBAIGARI ADILSHA (19GK1A0510); GUNTUPALLI CHARISHMA (19GK1A0512); PAKANATI HARISH(19GK1A0525);** by in partial fulfilment of the requirements for the award of the degree of **“BACHELOR OF TECHNOLOGY IN COMPUTER ENGINEERING”** during 2019-2023. The results of investigation enclosed in this report have been verified and found satisfactory. The results embodied in the project have not been submitted to any university or institute for the award of any other Degree or Diploma.

  
**PROJECT GUIDE**  
**DR. B. KIRAN KUMAR**  
**PROFESSOR**

  
**HEAD OF THE DEPARTMENT**  
**Mrs. R. MADHURI DEVI**  
**DEPARTMENT OF CSE**

  
**EXTERNAL EXAMINER**

# PRIYADARSINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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

5<sup>th</sup> Mile, Pulladigunta, kornepadu Village, Vatticherukuru Mandal,

Guntur Dist, Andhra Pradesh.

2019-2023




## CERTIFICATE

### SECURING CLOUD DATA UNDER KEY EXPOSURE

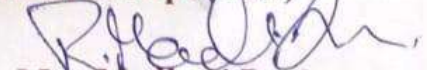
This is to certify that the thesis entitled "SECURING CLOUD DATA UNDER KEY EXPOSURE" is a project work carried out by **TELLA GOPICHAND 19GK1A0540, KATA RAJESH KUMAR 19GK1A0515, PALLAPU CHINNA 19GK1A0529, GOSARIPALLI KHARISHMA 19GK1A0511**, worked under my supervision, and submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in Computer Science and Engineering during the academic year 2018 - 2019 - 2023.

**Internal Guide:**

  
**SK. Irphan Basha**

**Associate Professor**

**Head of Dept (CSE)**

  
**Mrs. Madhuri Devi**

**HOD**



**External Examiner**



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

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

5<sup>th</sup> Mile, Pulladigunta, Vatticherukuru Mandal, Guntur

Dist, Andhra Pradesh.

2022-2023



**CERTIFICATE**

This is to certify that the entitled "A MACHINE LEARNING APPROACH FOR TRACKING AND PREDICTING STUDENT PERFORMANCE IN DEGREE PROGRAMS" is a VAKKANTI . PRAVALLIKA (19GK1A0541), MERUVA . NARASIMHA REDDY (19GK1A0520) ,PANUGANTI . SRI SAI NAGA SUMITH (19GK1A0531) , NIMMALA.SAI KRISHNA(19GK1A0524),MALLE. RANI(19GK1A0519) Worked under my and submitted in partial fulfillment of the requirement of the degree of BACHELOR OF TECHNOLOGY in computer science engineering during the academic year 2022-23.

*R. Nagamani*  
Internal Guide:

Mrs. R.NAGAMANI  
Assistant Professor

Head of Dept (CSE)

*R. Madhuri Devi*  
Mrs. R.MadhuriDevi

*H. N. J.*  
External Examiner

**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

(AFFILIATED TO JNTU KAKINADA, APPROVED BY AICTE) 5<sup>TH</sup>

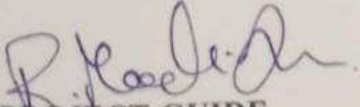
MILE(V), VATTICHERUKURU(M), GUNTUR DISTRICT, A.P-522017

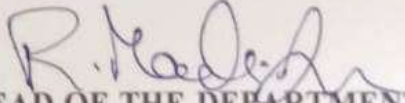
*DEPARTMENT OF COMPUTER SCIENCE ENGINEERING*

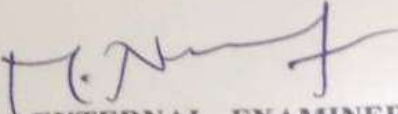


**CERTIFICATE**

This is to certify that the project report entitled as **“CURRENCY RECOGNITION SYSTEM USING IMAGE PROCESSING”** being submitted **PALADUGU PREETHIPAVANI(19GK1A0526); BOMMANHAL SAI BHARGAV(19GK1A0502); BOYA PRUDVI RAJU (19GK1A0503); JADAPALLI JASWANTH (19GK1A0513)** by in partial fulfilment of the requirements for the award of the degree of **“BACHELOR OF TECHNOLOGY IN COMPUTER ENGINEERING”** during 2019-2023. The results of investigation enclosed in this report have been verified and found satisfactory. The results embodied in the project have not been submitted to any university or institute for the award of any other Degree or Diploma.

  
**PROJECT GUIDE**  
Mrs. R. MADHURI DEVI  
ASSOCIATIVE PROFESSOR

  
**HEAD OF THE DEPARTMENT**  
Mrs. R. MADHURI DEVI  
DEPARTMENT OF CSE

  
**EXTERNAL EXAMINER**



# PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

5Th Mile, Pulladigunta, kornepadu Village, Vatticherukuru Mandal,  
Guntur Dist, Andhra Pradesh.



## CERTIFICATE

This is to certify that the thesis entitled "MALICIOUS DETECTION USING  
ARTIFICIAL INTELLIGENCE AND DEEP LEARNING" is a bonafide project work carried out by  
**N.KUMAR(19GK1A0521), SSV.MURALI SAI (19GK1A539), V.MOUNIKA(19GK1A0542), G.TEJABOLLAREDDY(17GK1A0534)**  
worked under my supervision, and submitted in partial fulfillment of the requirements for the award of the degree of  
BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE AND ENGINEERING during the academic year 2019-2023.

Project Guide

*Mr. Sk. Irfan Basha*  
**Mr. Sk. Irfan Basha**

*[Signature]*  
**External Examiner**

Head of the Department

*[Signature]*  
**Ms. R. Madhuri Devi M.Tech**

# PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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

5<sup>th</sup> Mile, Near by Pulladigunta, Kornepadu(v),

Vatticherukuru(M), Guntur(D),

Andhra Pradesh

2019 - 2023



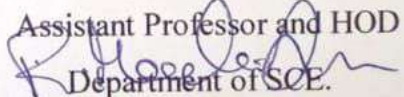
## CERTIFICATE

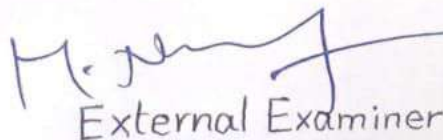
This is to certify that the mini project work entitled 'TEXT DIFFICULTY ANALYZER USING NATURAL LANGUAGE PROCESSING' is a bona fide record of work carried out by "NARAVALA SREEKAR (TL), PALLAPU RAVINDRA, KESANI BHANU TEJA, PALLAPOLU AMARNADHA REDDY," Bearing Reg No: 19GK1A0522, 19GK1A0530, 19GK1A0516, 19GK1A0528, Worked Under my guidance and supervision and submitted in fulfillment of the requirements for the award of degree of *BACHELOR OF TECHNOLOGY* in Computer science and Engineering during academic year 2019 – 2023

  
Sri K. Kiran Kumar

Vice Principal  
Department of CSE.

Mrs. R Madhuri Devi

  
Assistant Professor and HOD  
Department of SCE.

  
External Examiner



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

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

5<sup>th</sup> Mile, Pulladigunta, Vatticherukuru Mandal,

Guntur Dist, Andhra pradesh

2019-2023



**CERTIFICATE**

**A PROJECT REPORT ON  
ROAD SIGN INTIMATION THROUGH VOICE  
ALERT SYSTEM USING DEEP LEARNING**

This is to certify that the thesis entitled "A PROJECT REPORT ON ROAD SIGN INTIMATION THROUGH VOICE ALERT SYSTEM USING DEEP LEARNING" is a bonified project work carried out by KUNCHANAPALLI MANIKANTA 19GK1A0518, PULLETIPALLI SUMIYA 19GK1A0536, GOLLA JAYASRI 19GK1A0509 worked under my supervision, and submitted in partial fulfillment of the requirements for the degree of BACHELOR OF TECHNOLOGY in computer science engineering during the academic year 2019-23.

*R. Naga Mani*  
Internal guide:

**R.NAGA MANI**

ASSOCIATE PROFESSOR

*Mrs. Madhuri Devi*  
Head Of The Dept(CSE)

**Mrs. Madhuri Devi**

HOD

*[Signature]*  
EXTERNAL EXAMINER



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**  
(Approved by AICTE, New Delhi, Affiliated to JNTUK)

5<sup>th</sup> Mile, Pulladigunta, Vatticherukuru Mandal,

Guntur Dist, Andhra Pradesh

2019-2023

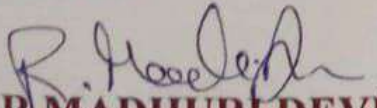


**CERTIFICATE**

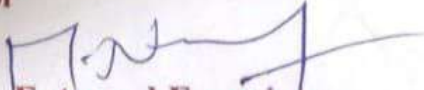
**A PROJECT REPORT ON E-MAIL SPAM CLASSIFICATION VIA  
MACHINE LEARNING AND NATURAL LANGUAGE PROCESSING**

This is to certify that the thesis entitled "A PROJECT REPORT ON E-MAIL SPAM CLASSIFICATION VIA MACHINE LEARNING AND NATURAL LANGUAGE PROCESSING" is a bonified project work carried out SARVISETTY VINUTHNA 19GK1A0537, PONDUGULA ANJALI 19GK1A0533, PONNA VENKATA HARSH VARDHAN 19GK1A0534, KAMMIRETTY MEDDI SRAVANI 19GK1A0514, worked under my supervision, and submitted in partial fulfillment of the requirements for the degree of BACHELOR OF TECHNOLOGY in computer science engineering during the academic year 2019-23.

**Internal Guide:**

  
**Mrs. R. MADHURI DEVI**  
ASSISTANT Professor

**Head of Dept(CSE)**  
  
**Mrs. R. Madhuri Devi**

  
**External Examiner**



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

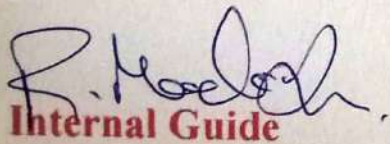
5th Mile, Pulladigunta, kornepadu Village, VatticherukuruMandal,

Guntur Dist, Andhra Pradesh



**CERTIFICATE**

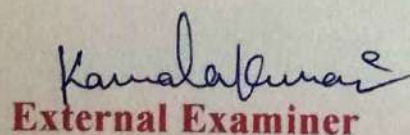
This is to certify that the thesis entitled "Currency Recognition System Using Image Processing" is a bonafied project work carried out by **Mrs.M. CHANDRIKA**, bearing Regd No: **20GK1D5806** worked under my supervision, and submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF TECHNOLOGY** in Computer Science and Engineering during the academic year 2020-2022.

  
**Internal Guide**

**Mrs. R. Madhuri Devi**  
**Associate prof (M.Tech)**

  
**Head of the Department**

**Mrs. R. Madhuri Devi**  
**HOD**

  
**External Examiner**



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

5th Mile, Pulladigunta, kornepadu Village, VatticherukuruMandal,

Guntur Dist, Andhra Pradesh



**CERTIFICATE**

This is to certify that the thesis entitled "Data Exchange Protocol to Reduce Cloud Storage data Protection risks in the Big Data Era" is a bonafied project work carried out by **Mrs. M. Sharoon Jyotsna**, bearing Regd No: **20GK1D5804** worked under my supervision, and submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF TECHNOLOGY** in Computer Science and Engineering during the academic year 2020-2022.

**Internal Guide**  
**Mr. Rakesh Babu**  
Associate prof (M.Tech)

**Head of the Department**  
**Mrs. R. Madhuri Devi**  
HOD

**External Examiner**



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

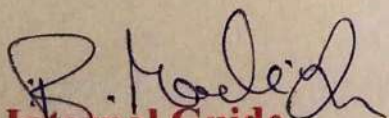
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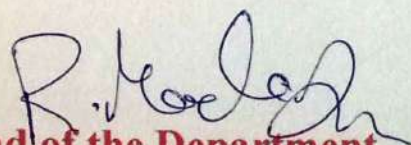


**CERTIFICATE**

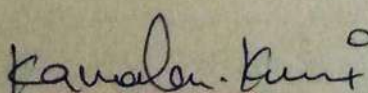
This is to certify that the thesis entitled “Review of opinion prediction system based on Machine Learning” is a bonafied project work carried out by **Mr.BANDI FIDEL KASHTRO**, bearing Regd No: **20GK1D5801** worked under my supervision, and submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF TECHNOLOGY** in Computer Science and Engineering during the academic year 2020-2022.

  
**Internal Guide**

**Mrs. R. Madhuri Devi**  
**Associate prof (M.Tech)**

  
**Head of the Department**

**Mrs. R. Madhuri Devi**  
**HOD**

  
**External Examiner**



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

5th Mile, Pulladigunta, kornepadu Village, Vatticherukuru Mandal,  
Guntur Dist, Andhra Pradesh.



This is to certify that the thesis entitled “A MACHINE LEARNING APPROACH FOR TRACKING AND PREDICTING STUDENT PERFORMANCE IN DEGREE PROGRAMS ” is a bonafide project work carried out by **VENUTHURUMILLI DEEPTHI**, bearing Regd No : **19GK1D5814** worked under my supervision, and submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF TECHNOLOGY** in Computer Science and Engineering during the academic year 2019-2021.

*J. Rakesh Babu*  
**Internal Guide**

**MR. J. RAKESH**

**M.Tech**

*R. Madhuri Devi*  
**Head of the Department**

**Ms. R. Madhuri Devi**

**HOD**

*[Signature]*  
**External Examiner**



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

5th Mile, Pulladigunta, kornepadu Village, VatticherukuruMandal,

Guntur Dist, Andhra Pradesh



**CERTIFICATE**

This is to certify that the thesis entitled "User centric machine learning framework for cyber security operations center" is a bonafied project work carried out by **Mr.P.HANUMANTHA RAO**, bearing Regd No: **20GK1D5807** worked under my supervision, and submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF TECHNOLOGY** in Computer Science and Engineering during the academic year 2020-2022.

*Rakesh*

**Internal Guide**  
**Mr. Rakesh Babu**  
**Associate prof (M.Tech)**

*P. Madhuri Devi*

**Head of the Department**  
**Mrs. R. Madhuri Devi**  
**HOD**

*Kanaka Prasad*

**External Examiner**



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

5th Mile, Pulladigunta, kornepadu Village, Vatticherukuru Mandal,

Guntur Dist, Andhra Pradesh.



**CERTIFICATE**

This is to certify that the thesis entitled **“MACHINE LEARNING METHODS FOR ATTACK DETECTION IN THE SMART GRID”** is a bonafide project work carried out by **MEDA RAJESH**, bearing Regd No : **19GK1D5807** worked under my supervision, and submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF TECHNOLOGY** in Computer Science and Engineering during the academic year 2019-2021.

**Internal Guide**

**MR. J. RAKESH**

**M.Tech**

**Head of the Department**

**Ms. R. Madhuri Devi**

**HOD**

**External Examiner**



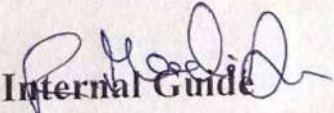
**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND  
MANAGEMENT**

5th Mile, Pulladigunta, Kornepadu Village, Vatticherukuru Mandal, Guntur Dist, Andhra Pradesh.



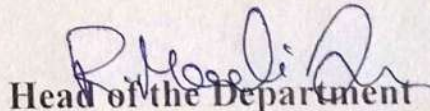
**CERTIFICATE**

This is to certify that the thesis entitled "Image security using Artificial Neural Network" is a project work carried out by Devarabotla D G N R Manaswani bearing Regd No :19GK1D5813 worked under my supervision, and submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF TECHNOLOGY** in Computer Science and Engineering during the academic year 2019-2021.

  
Internal Guide

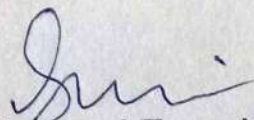
**Ms. R. Madhuri Devi**

**M.Tech**

  
Head of the Department

**Ms. R. Madhuri Devi**

**HOD**

  
External Examiner



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND  
MANAGEMENT**

5th Mile, Pulladigunta, kornepadu Village, Vatticherukuru Mandal,

Guntur Dist, Andhra Pradesh.



**CERTIFICATE**

This is to certify that the thesis entitled "E-mail Spam Classification via Machine Learning and Natural Language Processing" is a bonafide project work carried out by **Mr.Saraswathi Morthala**, bearing Regd No : **19GK1D5808** worked under my supervision, and submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF TECHNOLOGY** in Computer Science and Engineering during the academic year 2019-2021.

**Internal Guide**

*[Signature]*  
**Ms. R. Madhuri Devi**

**M.Tech**

**Head of the Department**

*[Signature]*  
**Ms. R. Madhuri Devi**

**HOD**

*[Signature]*  
**External Examiner**



**DEPARTMENT OF COMPUTER SCIENCE &  
ENGINEERING**

**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND  
MANAGEMENT**

(Affiliated to J.N.T.U Kakinada University & approved by A.I.C.T.E., New  
Delhi) 5<sup>th</sup> mile (V), Vatticherukuru (M), Guntur Dist, A.P-522017



**CERTIFICATE**

Certified that this project work titled “MALWARE DETECTION USING NETWORK TRAFFIC ANALYSIS IN ANDROID BASED MOBILE DEVICES” is bonafied work done By by **Mr. SANTOSH KUMAR. HENGE** bearing Regd No : **20GK1D5808** worked under my supervision, and submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF TECHNOLOGY** in **COMPUTER SCIENCE AND ENGINEERING**

**Project Guide**

*R. Madhuri*  
**Ms. R. Madhuri Devi M.Tech**

**Head of the Department**

*R. Madhuri*  
**Ms. R. Madhuri Devi M.Tech**

*Kanalakurmi*  
**External Examiner**



# **PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

**5Th Mile, Pulladigunta, kornepadu Village, Vatticherukuru Mandal,  
Guntur Dist, Andhra Pradesh.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



## **CERTIFICATE**

This is to certify that the project report entitled "**IDENTIFICATION OF MALWARE ATTACKS IN NETWORK USING MACHINE LEARNING**" is the bonafied work carried out by **AKULA SILPA ( 15GK1D5812)** in partial fulfillment of the requirements for the award of the degree of "**MASTER OF TECHNOLOGY**" in **COMPUTER SCIENCE AND ENGINEERING** during the academic year 2015-2017 under our guidance and supervision and worth of acceptance of requirements of the university.

*J. Rakesh Babu*  
**Project Guide**

**Mr.J.Rakesh Babu M.Tech**

*R. Madhuri Devi*  
**Head of the Department**

**Ms. R. Madhuri Devi M.Tech**

*J. Rakesh Babu*  
**External Examiner**



# PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

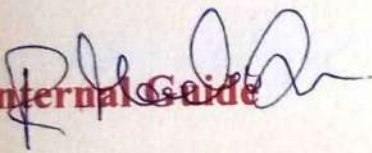
5th Mile, Pulladigunta, kornepadu Village, Vatticherukuru Mandal,

Guntur Dist, Andhra Pradesh.



## CERTIFICATE

This is to certify that the thesis entitled "Agriculture Crop Recommendations Based on Productivity and Season" is a bonafide project work carried out by **Mr.Pasala Venkata Ravibabu**, bearing Regd No : **19GK1D5811** worked under my supervision, and submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF TECHNOLOGY** in Computer Science and Engineering during the academic year 2019-2021.

  
**Internal Guide**

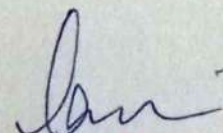
**Mrs. R. Madhuri Devi**

**M.Tech**

  
**Head of the Department**

**Mrs. R. Madhuri Devi**

**HOD**

  
**External Examiner**



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

**5Th Mile, Pulladigunta, kornepadu Village, Vatticherukuru Mandal,**

**Guntur Dist, Andhra Pradesh.**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**CERTIFICATE**

This is to certify that the thesis entitled **“MALICIOUS DETECTION USING ARTIFICIAL INTELLIGENCE AND DEEP LEARNING”** is a bonafide project work carried out by **Ms.Gella Nagendram, bearing Regd No :13GK1D5807** worked under my supervision, and submitted in partial fulfillment of the requirements for the award of the degree of **MASTER OF TECHNOLOGY in COMPUTER SCIENCE AND ENGINEERING** during the academic year **2013-2015**.

**Project Guide**

**Ms. R. Madhuri Devi M.Tech**

**Head of the Department**

**Ms. R. Madhuri Devi M.Tech**

**External Examiner**



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY  
AND MANAGEMENT**

5<sup>th</sup> Mile, Pulladigunta, Kornepadu (V), Vatticherukuru (M), Guntur-52201, A.P.  
(Affiliated to Jawaharlal Nehru Technological University, kak nada)

**DEPARTMENT OF MANAGEMENT STUDIES**



**CERTIFICATE**

This is to certify that the project report entitled "JOB SATISFACTION" with reference to "TIRUMALA MILK PRODUCTS (P) LTD., GUNTUR" is being submitted by Annapureddy Jaya Lakshmi, Regd. No. 21GK1E0001 in partial fulfilment of the requirements for the award of Degree of Master of Business Administration has been carried out by him under my guidance and supervision.

Signature of the HOD

**Dr. K. Srinivas**

**MBA., Ph.D.**

**Associate Professor & HOD**

Signature of the Project Guide

**Dr. Ch. Ravi Kumar**

**MBA., Ph.D.**

**Professor & Director**

Signature of the External Examiner

Signature of the Principal

**Dr. Kiran Kumar Billa**

**Ph.D., M.I.S.T.E.,**

**Principal**

# **PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

5<sup>th</sup> Mile, Pulladigunta, Kornepadu (V), Vatticherukuru (M), Guntur-522017, A.P  
(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

## **DEPARTMENT OF MANAGEMENT STUDIES**



### **CERTIFICATE**

This is to certify that the project report entitled "Quality of Work Life" with reference to "Crane Betel Nut Powder Works Guntur" is being submitted by **Talluri Krishnaveni**, Regd. No. **21GK1E0002** in partial fulfilment of the requirements for the award of Degree of Master of Business Administration has been carried out by his under my guidance and supervision.

Signature of the HOD  
**Dr. K. Srinivas**  
MBA., Ph.D.

**Associate Professor & HOD**

Signature of the Project Guide  
**Dr. K. Srinivas**  
MBA., Ph.D.

**Associate Professor & HOD**

Signature of the External Examiner

Signature of the Principal  
**Dr. Kiran Kumar Billa**  
Ph.D., M.I.S.T.E.,  
**Principal**



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND  
MANAGEMENT**

5<sup>th</sup> Mile, Pulladigunta, Kornepadu (V), Vatticherukuru (M), Guntur-522017, A.P  
(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

**DEPARTMENT OF MANAGEMENT STUDIES**



**CERTIFICATE**

This is to certify that the project report entitled "RECRUITMENT AND SELECTION" with reference to "Dr. Reddys Laboratories Hyderabad" is being submitted by **Maddikunta Anusha**, Regd. No. **21GK1E0006** in partial fulfilment of the requirements for the award of Degree of Master of Business Administration has been carried out by his under my guidance and supervision.

Signature of the HOD  
**Dr. K. Srinivas**  
MBA., Ph.D.

**Associate Professor & HOD**

Signature of the Project Guide  
**Dr. K. Srinivas**  
MBA., Ph.D.

**Associate Professor & HOD**

Signature of the External Examiner

Signature of the Principal  
**Dr. Kiran Kumar Billa**

Ph.D., M.I.S.T.E.,  
**Principal**

**PRIYADARSHINI INSTITUTE OF TECHNOLOGY  
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(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

**DEPARTMENT OF MANAGEMENT STUDIES**



**CERTIFICATE**

This is to certify that the project report entitled "FUNDS FLOW STATEMENT ANALYSIS" with reference to "BHARATHI CONSUMER CARE PRODUCTS PRIVATE LIMITED, GUNTUR" is being submitted by SEERA MADHU KIRAN, Regd. No. 21GK1E0007 in partial fulfilment of the requirements for the award of Degree of Master of Business Administration has been carried out by his under my guidance and supervision.

Signature of the HOD  
**Dr. K. Srinivas**  
MBA., Ph.D.  
Associate Professor & HOD

Signature of the Project Guide  
**Dr. Ch. Ravi Kumar**  
MBA., Ph.D.  
Professor & Director

Signature of the External Examiner

Signature of the Principal  
**Dr. Kiran Kumar Billa**  
Ph.D., M.I.S.T.E.,  
Principal



**PRIYADARSHINI INSTITUTE OF TECHNOLOGY  
AND MANAGEMENT**

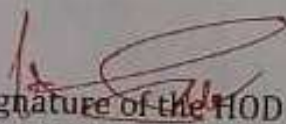
5<sup>th</sup> Mile, Pulladigunta, Kornepadu (V), Vatticherukuru (M), Guntur-522017, A.P  
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**DEPARTMENT OF MANAGEMENT STUDIES**



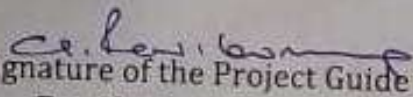
**CERTIFICATE**

This is to certify that the project report entitled "**Working Capital Management**" with reference to "**Veda Seed Sciences Pvt. Ltd., Guntur**" is being submitted by **Kattera Pardha Saradhi**, Regd. No. **21GK1E0008** in partial fulfilment of the requirements for the award of Degree of Master of Business Administration has been carried out by his under my guidance and supervision.

  
Signature of the HOD

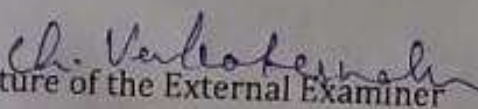
**Dr. K. Srinivas**  
MBA., Ph.D.

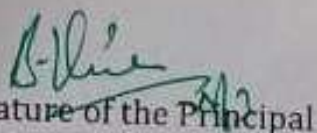
**Associate Professor & HOD**

  
Signature of the Project Guide

**Dr. Ch. Ravi Kumar**  
MBA., Ph.D.

**Professor & Director**

  
Signature of the External Examiner

  
Signature of the Principal

**Dr. Kiran Kumar Billa**

Ph.D., M.I.S.T.E.,

**Principal**

**PRIYADARSHINI INSTITUTE OF TECHNOLOGY  
AND MANAGEMENT**

5<sup>th</sup> Mile, Pulladigunta, Kornepadu (V), Vatticherukuru (M), Guntur-522017, A.P  
(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

**DEPARTMENT OF MANAGEMENT STUDIES**



**CERTIFICATE**

This is to certify that the project report entitled "PERFORMANCE APPRAISAL" with reference to "ITC LIMITED - ABD, CHIRALA" is being submitted by **Grandhi Vinitha**, Regd. No. **21GK1E0009** in partial fulfilment of the requirements for the award of Degree of Master of Business Administration has been carried out by his under my guidance and supervision.

Signature of the HOD  
**Dr. K. Srinivas**  
MBA., Ph.D.  
Associate Professor & HOD

Signature of the Project Guide  
**Dr. K. Srinivas**  
MBA., Ph.D.  
Associate Professor & HOD

Signature of the External Examiner

Signature of the Principal  
**Dr. Kiran Kumar Billa**  
Ph.D., M.I.S.T.E.,  
Principal