



# ADITYA ENGINEERING COLLEGE

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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

## 1.3.4 Students sample certificate of Major Projects

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		B. Tech (Petroleum Technology)	31-35
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**DEPARTMENT OF CIVIL ENGINEERING**



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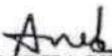
This is to certify that the thesis entitled "BIOSTABILIZATION OF SOIL USING GUAR GUM - A SUSTAINABLE APPROACH" is being submitted by

<b>PAMPANA HEM PRABHAKAR</b>	<b>18A91A0191</b>
<b>GARAPATI BHUVANA SRI</b>	<b>18A91A0170</b>
<b>KOMMANAMANCHI ANIRUDH</b>	<b>18A91A0175</b>
<b>GOLLAPALLI HARSHA VARDHAN</b>	<b>18A91A0171</b>
<b>MADHAVARAPU SATISH KUMAR</b>	<b>18A91A0183</b>

In partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Department of Civil Engineering from Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by them at Aditya Engineering College.

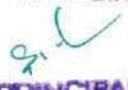
The results embodied in this Project report have not been submitted to any other University or Institute for the award of any degree or diploma.

**PROJECT GUIDE**

  
**DR.S. ANADHA KUMAR**  
Assistant Professor

**HEAD OF THE DEPARTMENT**

  
**P. Ravi Kiran**  
Assistant Professor & HOD  
Head of the Department  
Dept. of Civil Engineering  
**ADITYA ENGINEERING COLLEGE (A9)**

  
**PRINCIPAL**

**ADITYA ENGINEERING COLLEGE**  
SURAMPALEM - 533 437

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**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify that the thesis entitled "IDENTIFICATION OF GROUNDWATER POTENTIAL ZONES BY USING REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEM" is being submitted by

<b>K. SAI GANGADHAR</b>	<b>18A91A0123</b>
<b>CH. VAMSI POSEWARA RAO</b>	<b>19A95A0103</b>
<b>N. NISSI SUSMITHA</b>	<b>18A91A0129</b>
<b>CH. C.V. ABHIRAMAKRISHNA REDDY</b>	<b>18A91A0108</b>

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**PROJECT GUIDE**

**M. LEELA SAI KRISHNA**  
ASSISTANT PROFESSOR

  
**PRINCIPAL**  
ADITYA ENGINEERING COLLEGE  
SURAMPALEM - 533 437

**HEAD OF THE DEPARTMENT**

  
**P. Ravi Krishna**  
Assistant Professor & HOD  
Head of the Department  
Dept. of Civil Engineering  
ADITYA ENGINEERING COLLEGE (A9)

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**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify that the thesis entitled "MORPHOMETRIC ANALYSIS OF DRAINAGE BASIN USING GIS FOR PEDDAPURAM REVENUE DIVISION, EAST GODAVARI, ANDHRA PRADESH" is being submitted by

<b>B. SAI SRIDEVI</b>	<b>18A91A0102</b>
<b>T. SWAROOPA RANI</b>	<b>19A95A0113</b>
<b>G. VENKATESH PRASAD</b>	<b>18A91A0113</b>
<b>Ch. LOKESH</b>	<b>18A91A0109</b>
<b>B. SAI PRASAD</b>	<b>17A91A0107</b>

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**PROJECT GUIDE**

  
**P. SHIVA KUMAR**  
Senior Assistant Professor

**HEAD OF THE DEPARTMENT**

  
**P. Ravishankar**  
Assistant Professor & HOD  
Head of the Department  
Dept. of Civil Engineering  
ADITYA ENGINEERING COLLEGE (A9)

  
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**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify that the thesis entitled "Monotoring the Performance of Constructed Wetland for the treatment of domestic Waste" is being submitted by

<b>K N N S SWAMY NAIDU</b>	<b>18A91A0124</b>
<b>DEGALA VENKATESH</b>	<b>18A91A0111</b>
<b>P. BHAVANA</b>	<b>19A95A0110</b>
<b>SK. MD. HANEEF MUKTHAR</b>	<b>18A91A0145</b>
<b>YEHO SHUVA DASARI</b>	<b>18A91A0152</b>

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**PROJECT GUIDE**

  
**Smt. P. LAKSHMI,**  
Associate Professor

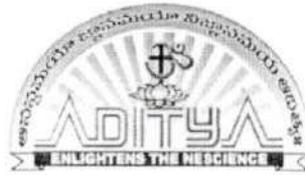
**HEAD OF THE DEPARTMENT**

  
**P. Ravi Reddy**  
Assistant Professor & HOD  
Head of the Department  
Dept. of Civil Engineering  
**ADITYA ENGINEERING COLLEGE (A9)**

  
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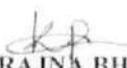
This is to certify that the thesis entitled "COMPARITIVE STUDY OF PARTIALLY WRAPPED RC BEAMS AT DIFFERENT SPACINGS" is being submitted by

JAHNAVI. Y	18A91A01A4
SATYA DURGA. K	19A95A0118
AJAY SHANKAR. B	18A91A0160
TEJA.U	18A91A01A0
PAVAN SAI KRISHNA. Y	18A91A01A5

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PROJECT GUIDE

  
Mrs. K.P. PRAJNA BHARATHI, M. TECH  
Assistant professor

HEAD OF THE DEPARTMENT

  
P. Ray Krishna  
Assistant Professor & HOD  
Head of the Department  
Dept. of Civil Engineering  
ADITYA ENGINEERING COLLEGE (A9)

  
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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



**CERTIFICATE**

This is to certify that the thesis entitled "FACE MASK DETECTION USING RASPBERRY PI" is being submitted by

<b>P. SIVA</b>	<b>19A95A0206</b>
<b>S. SIVA NAGU</b>	<b>18A91A0243</b>
<b>D. LOKESH</b>	<b>18A91A0212</b>
<b>S. SIVA SANKAR</b>	<b>18A91A0242</b>

In partial fulfillment of the requirements for the award of degree of **Bachelor of Technology** in **Electrical and Electronics Engineering** from **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by them at **Aditya Engineering College**.

The results embodied in this Project report have not been submitted to any other University or Institute for the award of any degree or diploma.

  
**PROJECT GUIDE**  
**Mr. CH. AMARENDRA**  
Associate Professor

  
**HEAD OF THE DEPARTMENT**  
**Dr. V. Srinivasa Rao**  
Professor & HOD

  
**PRINCIPAL**  
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Head of The Department  
Dept: Of Electrical & Electronics Engineering  
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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



### CERTIFICATE

This is to certify that the thesis entitled "HAND GESTURE AND MOBILE APP BASED WHEEL CHAIR" is being submitted by

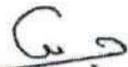
D. DEVI PRASANNA	18A91A0210
P. PRATHAP	18A91A0238
P. N. S. ATCHUTANANDA RAO	18A91A0240
B. PREM NARASIMHA REDDY	19A95A0218

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**PROJECT GUIDE**

Dr. K. V. S. RAMACHANDRA MURTHY  
Professor Dean R&D

  
**HEAD OF THE DEPARTMENT**

Dr. V. Srinivasa Rao  
Professor & HOD

  
**PRINCIPAL**

ADITYA ENGINEERING COLLEGE  
S. K. AMPALEM - 533 137

Head of The Department  
Dept: Of Electrical & Electronics Engineering  
Aditya Engineering College (A9)

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



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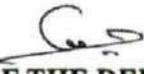
This is to certify that the thesis entitled "IoT Based Battery Monitoring System for Electrical Vehicles" is being submitted by

<b>M. ROHITH KUMAR</b>	<b>19A95A0202</b>
<b>G. CHAITANYA VISHNU SAI</b>	<b>18A91A0217</b>
<b>D. HEMA SAI TEJA</b>	<b>18A91A0211</b>
<b>P. S. SAI GOUD</b>	<b>18A91A0235</b>

In partial fulfillment of the requirements for the award of degree of **Bachelor of Technology** in **Electrical and Electronics Engineering** from **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by them at **Aditya Engineering College**.

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**PROJECT GUIDE**  
Dr. V. SRINIVASA RAO  
Professor & HOD

  
**HEAD OF THE DEPARTMENT**  
Dr. V. Srinivasa Rao  
Professor & HOD

  
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ADITYA ENGINEERING COLLEGE  
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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



**CERTIFICATE**

This is to certify that the thesis entitled "SMART SOLAR CELL E-WARNING SIGN BOARD VIA ON CLOUD BASED CONTROL FOR SOCIAL DISTANCING ALERT" is being submitted by

<b>K.P.MAHESH</b>	<b>18A91A0219</b>
<b>M.PRAVALLIKA</b>	<b>19A95A0213</b>
<b>N.S.S.AKSHATH</b>	<b>18A91A0233</b>

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**PROJECT GUIDE**

**Shri. Dr. K. BAPAYYANAIDU**  
Associate Professor

  
**HEAD OF THE DEPARTMENT**

**Dr. V. Srinivasa Rao**  
Professor & HOD

  
**PRINCIPAL**  
**ADITYA ENGINEERING COLLEGE**  
**SURAMPALEM - 533 437**

Head of The Department  
Dept: Of Electrical & Electronics Engineering  
Aditya Engineering College (A9)

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



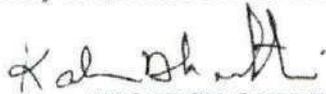
**CERTIFICATE**

This is to certify that the thesis entitled "Design and Performance Analysis of Autonomous Indoor Solar Energy Harvesting System" is being submitted by

<b>D. S. S. AJAY</b>	<b>18A91A0209</b>
<b>KANHAIYA SHAH</b>	<b>18A91A0220</b>
<b>M. SANDEEP BABU</b>	<b>18A91A0230</b>
<b>M. ANIL SAI</b>	<b>18A91A0229</b>

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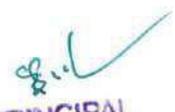
  
**PROJECT GUIDE**

**Smt. B.V.V.L. KALA BHARATHI M.Tech,**  
**(Ph.D)**

  
**HEAD OF THE DEPARTMENT**

**Dr. V. Srinivasa Rao**  
**Professor & HOD**

**Head of The Department**  
**Dept. Of Electrical & Electronics Engineering**  
**Aditya Engineering College (A9)**

  
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**SURAMPALEM - 533 437**

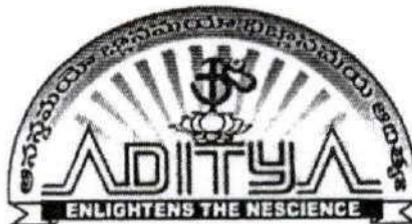
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DEPARTMENT OF MECHANICAL ENGINEERING  
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Aditya Nagar, ADB Road, Surampalem-533437, Near Kakinada, E. G. Dt.  
2018-2022



This is to certify that the project report entitled "**FABRICATION AND CONTROL OF LINE FOLLOWER AUTOMATED GUIDED VEHICLE WITH OBSTACLE AVIODANCE**" being submitted by

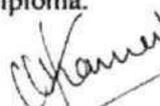
N. PRASANTH KUMAR	19A95A0328
M. CHINNARAO	19A95A0327
M. SIVA RAMA KRISHNA	19A95A0326
N. AKHIL BHASKAR	19A95A0329
P. GOWTHAM	18A91A03F2

In partial fulfilment for the award of the Degree of Bachelor of Technology in Mechanical Engineering to the Jawaharlal Nehru Technological University, Kakinada is a record of bona-fied work carried out under my guidance and supervision.

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

  
PROJECT GUIDE  
(V. PRAGNA)

  
EXTERNAL EXAMINER

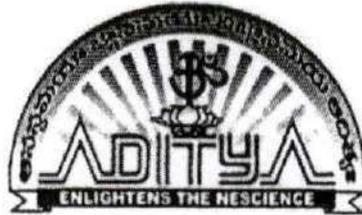
  
HEAD OF THE DEPARTMENT  
Head of the Department  
Mechanical Engineering  
Aditya Engineering College  
Surampalem

  
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SURAMPALAM - 533 437

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ADITYA ENGINEERING COLLEGE (A)  
(Affiliated to Jawaharlal Nehru Technological University, Kakinada)  
Surampalem - 533437

2018-2022



This is to certify that the project report entitled "EFFECT OF INJECTION PRESSURE ON HCCI ENGINE OPERATED IN DUAL FUEL MODE WITH SAPOTA BIODIESEL BLENDED WITH COPPER OXIDE NANOPARTICLES" being submitted by

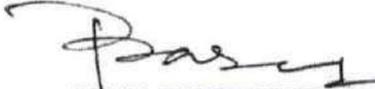
MUVVALA SAI MOUNIKA	18A91A03E7
BORUSU VENKATA SATYA GOPALA RAO	18A91A03C0
BEJAWADA VENKANNA DORA	18A91A03B8
PUDU RAKESH	18A91A03G1
EDUBILLI KESAVA SAI	18A91A03C5

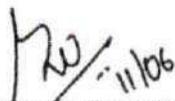
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The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.

  
PROJECT GUIDE

Sanipina Anjani Devi

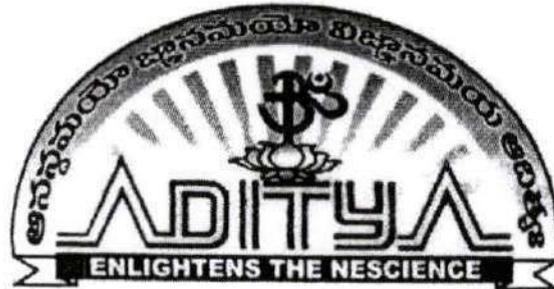
  
HEAD OF THE DEPARTMENT  
Head of the Department  
Mechanical Engineering  
Aditya Engineering College  
Surampalem

  
EXTERNAL EXAMINER

  
PRINCIPAL  
ADITYA ENGINEERING COLLEGE  
SURAMPALAM - 533 437

CERTIFICATE  
DEPARTMENT OF MECHANICAL ENGINEERING

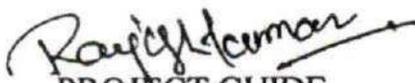
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ADB Road, Surampalem-533437 near KAKINADA, E.G. District  
2018-2022

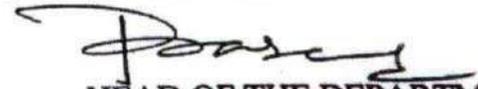


This is to certify that the project report entitled "STUDY THE EFFECT OF PROCESS PARAMETER ON MECHANICAL PROPERTIES OF FSW WELDED ALUMINIUM ALLOYS 6061 & 7075" being submitted by

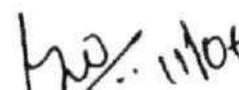
<b>KONDREDDY SUSHMA</b>	<b>19A95A0325</b>
<b>VADDI SUDHEER</b>	<b>19A95A0330</b>
<b>AKUMARTHI UMESH</b>	<b>19A95A0321</b>
<b>NARASIMHA GORU</b>	<b>18A91A03C7</b>
<b>RAYUDU VAMSI TEJA</b>	<b>18A91A03G2</b>

in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Mechanical Engineering. It is the record of bona-fide work, carried out by them under guidance and supervision of **Mr. RAJESH KUMAR**

  
PROJECT GUIDE  
(Mr. RAJESH KUMAR)

  
HEAD OF THE DEPARTMENT  
(Dr. Bh. Vara Prasad)

  
PRINCIPAL  
ADITYA ENGINEERING COLLEGE  
SURAMPALAM - 533 437

  
EXTERNAL EXAMINER

Head of the Department  
Mechanical Engineering  
Aditya Engineering College  
Surampalem

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### ADITYA ENGINEERING COLLEGE (A)

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

### DEPARTMENT OF MECHANICAL ENGINEERING

This is to certify that the project report entitled " **Vibration Analysis of a Forging Hammer**", is being submitted by

K DURGA SAI	18A91A0382
K MANOHAR	18A91A0380
SK AHMED	18A91A0399
MSVK KUMAR	18A91A0388
T RAJA SHEKHAR REDDY	18A91A03A5

In partial fulfillment of the requirement for the award of degree of **B.Tech in Mechanical Engineering** from **Jawaharlal Nehru Technological University, Kakinada** is a record of bonafide work carried out by them at **Aditya Engineering College(A)**.

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**PROJECT GUIDE**

**Mr. S.N.S MARUTHY VIJAY**



**HEAD OF THE DEPARTMENT**

Head of the Department  
**D. R. V. PRASAD**  
Mechanical Engineering  
Aditya Engineering College  
Surampalem



**EXTERNAL EXAMINER**



**PRINCIPAL**

**ADITYA ENGINEERING COLLEGE**  
**SURAMPALEM - 533 437**

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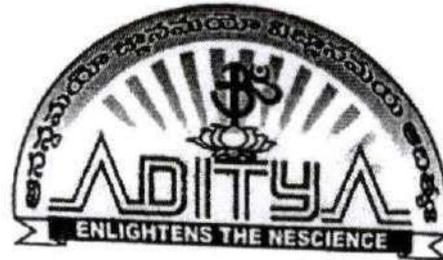
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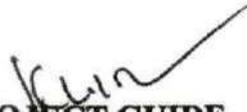


This is to certify that the project report entitled "SYNTHESIS AND CHARACTERIZATION OF AA7075/Al<sub>2</sub>O<sub>3</sub> COMPOSITE FOR STRUCTURAL APPLICATIONS" being submitted by

MALLIMOGGALA MAHESH KUMAR	19A95A0315
KALIGINEEDI SAI PRAVEEN	18A91A0377
YANAMADALA PRUDHVI VENKAT	19A95A0310
TADI RAJ KUMAR	18A91A03A4
CHITTURI KALYAN KUMAR	18A91A0368

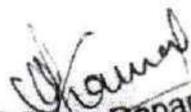
In partial fulfilment for the award of the Degree of Bachelor of Technology in Mechanical Engineering to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafied work carried out under my guidance and supervision.

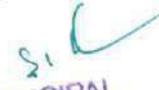
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PROJECT GUIDE

Mr.K. L Kishore

  
EXTERNAL EXAMINER

  
HEAD OF DEPARTMENT  
Head of Department  
Mechanical Engineering  
Aditya Engineering College  
Surampalem

  
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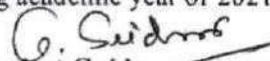


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This is to certify that the project report entitled "*Convolution Neural Network based paddy leaf diseases detection*" being submitted by

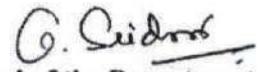
NALLAMILI SAI SIRI VARSHINI	18A91A0432
YELAMANCHILI K B N SAI SRI RAM	18A91A0459
CHEERLA NAGA PAVAN KALYAN	18A91A0405
GANESH KUMAR AMBUJALAPU	18A91A0414
POTNURI BRAMARNATH	17A91A0452

for the partial fulfillment of the requirements for the degree of Bachelor of Technology in Department of Electronics & Communication Engineering of Aditya Engineering College to Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out by them under the guidance and supervision during academic year of 2021-22.

  
Project Guide

Dr. G. Sridevi

Professor

  
Head of the Department

Dr. G Sridevi

HOD & Professor

Head of the Department  
Department of E.C.E.  
Aditya Engineering College (A9)

  
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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



**Certificate**

This is to certify that the project report entitled "*Spectrum sensing performance analysis for CR based IOT*" being submitted by

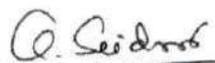
CHODE SIVA KALYANI	18A91A0406
GALLA SRINIVAS	18A91A0413
MADDA DURGA PRASAD	18A91A0426
DONEPUDI DHANUSH SAI	18A91A0408

for the partial fulfillment of the requirements for the degree of **Bachelor of Technology** in Department of Electronics & Communication Engineering of Aditya Engineering College to Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out by them under the guidance and supervision during academic year of 2021-22.

  
Project Guide

Dr. Sabat Santosh kumar Sushant

Assistant Professor

  
Head of the Department

Dr. G Sridevi

HOD & Professor

**Head of the Department  
Department of E.C.E.  
Aditya Engineering College (A9)**

  
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ADITYA ENGINEERING COLLEGE  
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This is to certify that the project report entitled "*Automatic Ambient conditions regulations for plants*" being submitted by

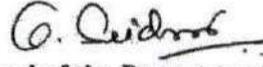
JOGA SAI SYAMALA	18A91A0421
NELLI MOUNIKA	18A91A0436
SATYA SOWMYA AKKINA	18A91A0401
DEGALA BHARATHI	18A91A0407

for the partial fulfillment of the requirements for the degree of **Bachelor of Technology** in Department of Electronics & Communication Engineering of Aditya Engineering College to Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out by them under the guidance and supervision during academic year of 2021-22.

  
Project Guide

Dr. Jagat Raiguru

Assistant Professor

  
Head of the Department

Dr. G Sridevi

HOD & Professor

Head of the Department  
Department of E.C.E.  
Aditya Engineering College (A9)

  
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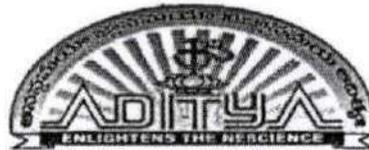
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This is to certify that the project report entitled "*Design & Implementation of novel architecture for video processing using xilinx system generator*" being submitted by

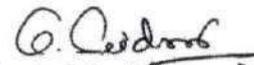
GANTI SATYA SYAMALA	18A91A0416
MANIKONDA GEETHA SREE	18A91A0428
MEESALA AKHILESWAR CHARAN TEJA	18A91A0430
KOSETTI V S LAKSHMI NARASIMHA SWAMY	18A91A0424

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Project Guide

Mr. P. Bujji Babu

Associate Professor



Head of the Department

Dr. G Sridevi

HOD & Professor

**Head of the Department  
Department of E.C.E.  
Aditya Engineering College (A9)**

  
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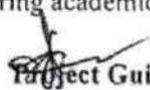


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This is to certify that the project report entitled "*High Density salt pepper noise removal in image using convolution neural network*" being submitted by

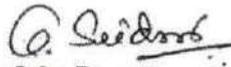
INDUKURI SAI RAVI VARMA	18A91A0419
PALA TEJA MALLI KISHORE	18A91A0440
YERRABATHULA SATYA	19A95A0407
KAKI VEERA KOTESWARA RAO	18A91A0422

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Project Guide

Mr. B. Usandra Babu

Assistant Professor

  
Head of the Department

Dr. G Sridevi

HOD & Professor

Head of the Department  
Department of E.C.E.  
Aditya Engineering College (A9)

  
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This is to certify that the thesis entitled "Cardiac threat prediction by segmenting ivus images using FCM algorithm" is being submitted by

<b>K S V KARTHIKEYA</b>	<b>18A91A0531</b>
<b>ANURADHA SINGH</b>	<b>18A91A0554</b>
<b>CHAKRI BHAMIDIPALLI</b>	<b>18A91A0513</b>
<b>BAVARAJU NITHIN SAI</b>	<b>18A91A0506</b>

In partial fulfillment of the requirements for the award of degree of **Bachelor of Technology in Computer Science and Engineering** from **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by them at **Aditya Engineering College**.

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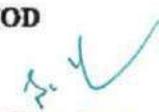
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**V RAVI KISHORE**  
Associate Professor

  
**HEAD OF THE DEPARTMENT**

**Ms. A. Vanathi**  
Professor & HOD

  
Head of the Department  
Department of CSE

  
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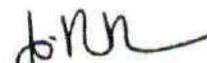
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This is to certify that the thesis entitled "Analyzing The Strength Of A Physical Structure Using IOT" is being submitted by

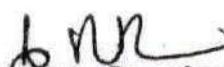
<b>CHINTA NANDINI DEVI</b>	<b>18A91A0515</b>
<b>BEZAWADA TANUJA</b>	<b>18A91A0507</b>
<b>MULIKI SWAMY</b>	<b>18A91A0337</b>
<b>B B ATYUTHA SRI SAI</b>	<b>18A91A0510</b>

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**A. VANATHI**  
Associate Professor

  
**HEAD OF THE DEPARTMENT**  
**Ms. A. Vanathi**  
Professor & HOD

  
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This is to certify that the thesis entitled "IOT Supported Automated Conveyance Accident Signal Detection And Deliverance System" is being submitted by

<b>PENTA YAMINIDEVI PRIYANKA</b>	<b>18A91A0542</b>
<b>RAPAKA RATNA PAUL</b>	<b>18A91A0548</b>
<b>V D LAKSHMI NEERAJA</b>	<b>18A91A0560</b>
<b>BODDETI AVINASH</b>	<b>17A91A0542</b>

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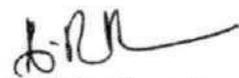
**Dr. P UDAY KUMAR**

Professor

  
**HEAD OF THE DEPARTMENT**

**Ms. A. Vanathi**

Professor & HOD

  
Head of the Department  
Department of CSE

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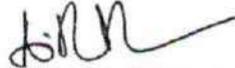
<b>RAMAVARAPU MARY RATNAM</b>	<b>18A91A0547</b>
<b>MANDAPAKA ANUSHA</b>	<b>18A91A0534</b>
<b>N PURNA GANTA</b>	<b>18A91A0539</b>
<b>A S K PAVAN KUMAR</b>	<b>17A91A0503</b>

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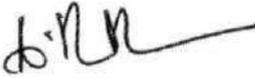
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**Dr. Naveen Nrusimhadri**  
Associate Professor

  
**HEAD OF THE DEPARTMENT**

**Ms. A. Vanathi**  
Professor & HOD

  
**Head of the Department**  
Department of CSE  
ADITYA ENGINEERING COLLEGE (A9)

  
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SURAMPALEM - 533 437

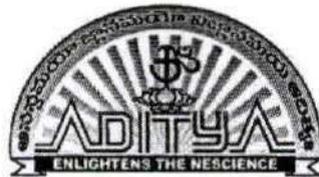
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**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**



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This is to certify that the thesis entitled "Performance Assessment and Comparison of Routing Protocols in Mobile Adhoc Networks" is being submitted by

<b>GUNDUBOGULA NAGA ESWARI</b>	<b>18A91A0524</b>
<b>KARRI AYYAPPA REDDY</b>	<b>18A91A0528</b>
<b>OGIRALA VIJAY</b>	<b>18A91A0540</b>
<b>V AISHWARYA</b>	<b>18A91A0561</b>

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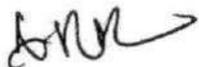
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**Dr. K SWAROOPA**  
Associate Professor

  
**HEAD OF THE DEPARTMENT**

**Ms. A. Vanathi**  
Professor & HOD

  
Head of the Department  
Department of CSE  
ADITYA ENGINEERING COLLEGE

  
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This is to certify that the thesis entitled "SMART HOME AUTMATION" is being submitted by

<b>JAGADALA PAWAN KUMAR</b>	<b>18A91A1224</b>
<b>CHIKKA CHANDU</b>	<b>18A91A1211</b>
<b>MANCHALA KALYAN SAI RAM</b>	<b>18A91A1234</b>
<b>CHUKKA UMA MAHESWARA RAO</b>	<b>18A91A1215</b>
<b>DASAROJU SAI MANIKANTA</b>	<b>18A91A1216</b>

In partial fulfillment of the requirements for the award of degree of **Bachelor of Technology** in **Information Technology** from **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by them at Aditya Engineering College.

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*AK*  
**PROJECT GUIDE**

**Mr. Kalyan Chakravarthy**  
**Assistant Professor**

**HEAD OF THE DEPARTMENT**

**Mr. M. Rajababu**  
**Associate Professor & HOD**

*S. L.*  
**PRINCIPAL**  
**ADITYA ENGINEERING COLLEGE**  
**SURAMPALEM - 533 437**

*[Signature]*  
**Head of the Department**  
**Department of IT**  
**Aditya Engineering College**

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This is to certify that the thesis entitled "ADITYA CONNECT" is being submitted by

<b>GRANDHI AKHIL SAI MANOJ</b>	<b>18A91A1222</b>
<b>KURRU YASHWANTH SAI CHARAN</b>	<b>18A91A1232</b>
<b>MAROJU PRAVEEN</b>	<b>18A91A1235</b>
<b>GOLI NAGARJUNA</b>	<b>18A91A1220</b>

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Dr. M. Kandan  
Associate Professor

**HEAD OF THE DEPARTMENT**  
Mr. M. Rajababu  
Associate Professor & HOD

  
Head of the Department  
Department of IT  
Aditya Engineering College

  
PRINCIPAL  
ADITYA ENGINEERING COLLEGE  
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<b>GOWDU SAI RAMYA</b>	<b>18A91A1221</b>
<b>KANDULA VAMSI</b>	<b>18A91A1226</b>
<b>NUKALA JAYA CHANDINI</b>	<b>18A91A1243</b>
<b>NOKKU ADARSH</b>	<b>18A91A1242</b>

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**PROJECT GUIDE**

**Mr. G. Siva Shankar**  
Assistant Professor

**HEAD OF THE DEPARTMENT**

**Mr. M. Rajababu**  
Associate Professor & HOD

  
Head of the Department  
Department of IT  
Aditya Engineering College

  
**PRINCIPAL**  
**ADITYA ENGINEERING COLLEGE**  
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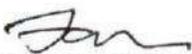
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This is to certify that the thesis entitled "CRYPTO CURRENCY PRICE PREDICITON USING MACHINE LEARNING AND DEEP LEARNING" is being submitted by

<b>RASHU KUMAR</b>	<b>18A91A1250</b>
<b>CHINTHAKULA VIREESHA</b>	<b>18A91A1213</b>
<b>KANTIPUDI TEJA</b>	<b>18A91A1227</b>
<b>G V VENKATA SIVA PRASAD</b>	<b>17A91A1214</b>

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**PROJECT GUIDE**

**Mr. S. V. V. D. Jagadeesh**  
Assistant Professor

  
**PRINCIPAL**  
**ADITYA ENGINEERING COLLEGE**  
**SURAMPALEM - 533 437**

**HEAD OF THE DEPARTMENT**

**Mr. M. Rajababu**  
Associate Professor & HOD

  
Head of the Department  
Department of IT  
Aditya Engineering C.

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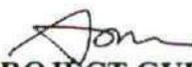
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This is to certify that the thesis entitled "A CLUSTER BASED APPROACH FOR PREDICTION OF CRIME HOTSPOTS USING MACHINE LEARNING" is being submitted by

<b>BUDDARAJU REVATHI</b>	<b>18A91A1206</b>
<b>DUDALA NAGA SIVA SRI</b>	<b>18A91A1217</b>
<b>MALLIDI SATYA SRI</b>	<b>17A91A1229</b>
<b>P ESWAR LAKSHMINARAYANA</b>	<b>18A91A1247</b>

In partial fulfillment of the requirements for the award of degree of **Bachelor of Technology** in **Information Technology** from **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by them at Aditya Engineering College.

The results embodied in this Project report have not been submitted to any other University or Institute for the award of any degree or diploma.

  
**PROJECT GUIDE**

**Mr. K. Arun Bhaskar**  
Associate Professor

  
**PRINCIPAL**  
**ADITYA ENGINEERING COLLEGE**  
**SURAMPalem - 533 437**

**HEAD OF THE DEPARTMENT**

**Mr. M. Rajababu**  
Associate Professor & HOD

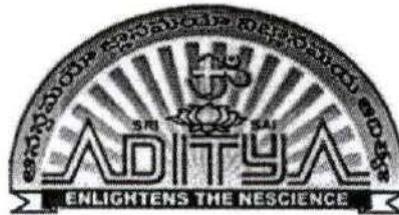
  
*Head of the Department*  
**Department of IT**  
**Aditya Engineering College**

# ADITYA ENGINEERING COLLEGE (A)

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Aditya Nagar, ADB Road, Surampalem

## DEPARTMENT OF PETROLEUM TECHNOLOGY



### CERTIFICATE

This is to certify that the thesis entitled "A study on influence of offshore oil and gas structures operation based on environmental consideration" is being submitted by

CHOUDHARY KULDIP KUMAR	18A91A2724
HAVEESH KUMAR	18A91A2711
HOLLY BLESSING	18A91A2718
SAIRAM	19A95A2704

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PROJECT GUIDE

(Dr.V. Suryanarayana)

  
HEAD OF THE DEPARTMENT  
(Dr. R. GIRI PRASAD)

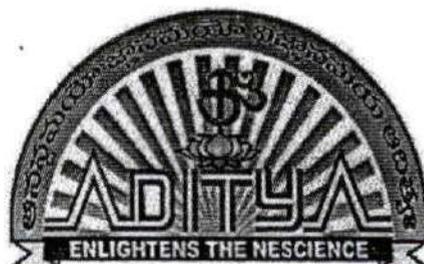
Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College (A)  
SURAMPALAM-5 437

  
PRINCIPAL  
ADITYA ENGINEERING COLLEGE  
SURAMPALAM - 533 437

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## DEPARTMENT OF PETROLEUM TECHNOLOGY



### CERTIFICATE

This is to certify that the thesis entitled "A COMPREHENSIVE REVIEW OF NANOMATERIAL APPLICATIONS IN OIL RECOVERY" is being submitted by

ANANTHAKRISHNAN. V 18A91A2705

BANDARU REVANTH 18A91A2708

SREEVISHNU.K 18A91A2735

REUBEN P CHACKO 18A91A2733

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**PROJECT GUIDE**

Ms. Kantimahanti Gargeryi M.Tech

Assistant Professor



**HEAD OF THE DEPARTMENT**

Dr. R. GIRI PRASAD (M. Tech, Ph. D)

Associate Professor

Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College (A)  
SURAMPALEM-5 437



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## DEPARTMENT OF PETROLEUM TECHNOLOGY



### CERTIFICATE

This is to certify that the thesis entitled "A STUDY ON GEOTHERMAL WELLS DEVELOPMENT FOR ENERGY UTILIZATION" is being Submitted by

KASINAKRISHNANAVANEETH	18A91A2721
CHADIPIRALLA SUMANTH KUMAR	18A91A2710,
KAKANI HYNDAVYOGI	18A91A2720
MEDITHI ABHINAV	18A91A2726

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**PROJECT GUIDE**

Dr. V. Suryanarayana (Ph. D)

Professor

**HEAD OF THE DEPARTMENT**

Dr. R. GIRI PRASAD (M. Tech, Ph. D)

Associate Professor

Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College (A)  
SURAMPALAM-5 437

  
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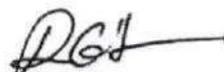
KASINAKRISHNANAVANEETH	18A91A2721
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PROJECT GUIDE

Dr. V. Suryanarayana (Ph. D)

Professor

  
HEAD OF THE DEPARTMENT

Dr. R. GIRI PRASAD (M. Tech, Ph. D)

Associate Professor

Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College (A)  
SURAMPALAM-5 437

  
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ADITYA ENGINEERING COLLEGE  
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### CERTIFICATE

This is to certify that the thesis entitled "A STUDY ON ANALYSIS AND ANALYTICAL MODELS FOR HYDRAULIC FRACTURING" is being Submitted by

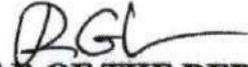
SUBIL VARGHESE JACOB	18A91A2736
MADHUSUDHAN PATSA	18A91A2732
PAVAN PANDU B0NTHADA	18A91A2709
VIJAYA RAJU KALEPU	19A95A2701

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PROJECT GUIDE

Dr. R. GIRI PRASAD (M. Tech, Ph. D)  
Associate Professor

  
HEAD OF THE DEPARTMENT

Dr. R. GIRI PRASAD (M. Tech, Ph. D)  
Associate Professor

Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College (A)  
SURAMPALAM-5 437

  
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SURAMPALAM - 533 437

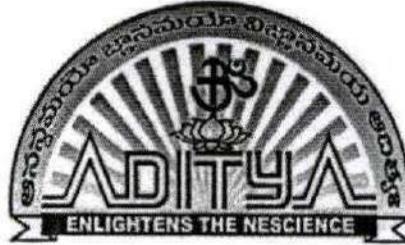
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Aditya Nagar, ADB Road, Surampalem – 533 437

DEPARTMENT OF MINING ENGINEERING



## Certificate

This is to certify that the project report entitled “COOLING POWER OF MINE AIR” being submitted by

B PAVAN KUMAR	19A95A2635
SHAIK WASIM AKRAM	19A95A2605
BARUPATI RAJKUMAR	19A95A2634
VEGURI SUMANTH	18A91A2625
JEFFREY RAJA J	18A91A2606

For the partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Department of Mining Engineering of Aditya Engineering College to Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out by them under the guidance and supervision during academic year of 2021-22.

Project Guide

R. Sudhakar Reddy,  
Asst. Professor, Dept. of Min.E.

Head of the Department

SATYAJEET PARIDA.

Head of the Department  
DEPARTMENT OF MINING ENGINEERING  
ADITYA ENGINEERING COLLEGE (A9)

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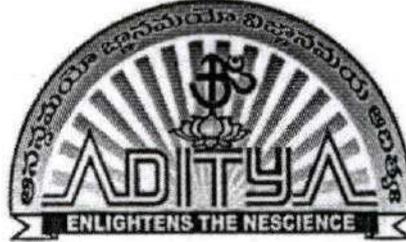
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Aditya Nagar, ADB Road, Surampalem – 533 437

DEPARTMENT OF MINING ENGINEERING



## Certificate

This is to certify that the project report entitled "A DESIGN OF ILLUMINATION SYSTEM FOR AN OPENCAST MINE" being submitted by

M.GOPI	18A91A2613
P.PRAVEEN REDDY	18A91A2618
K.GNANESWAR	19A95A2621
V.GANGA PRATAP REDDY	19A95A2633

For the partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Department of Mining Engineering of Aditya Engineering College to Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out by them under the guidance and supervision during academic year of 2021-22.

Project Guide

Dr.Subha Ranjan Paul, Ph.D.,  
Asst. Professor, Dept. of Min. E.

Head of the Department

SATYAJEET PARIDA,

Head of the Department  
DEPARTMENT OF MINING ENGINEERING  
ADITYA ENGINEERING COLLEGE (A9)

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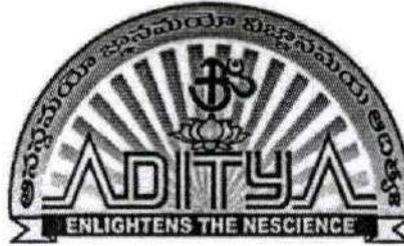
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Aditya Nagar, ADB Road, Surampalem - 533 437

DEPARTMENT OF MINING ENGINEERING



## Certificate

This is to certify that the project report entitled "A CASE STUDY ON CALCULATION OF VENTILLATION EFFICIENCY QUOTIENT OF 1K.1A MINE" being submitted by

THELUKUNTLA ANIL KUMAR	19A95A2607
JOMAL JOSE	18A91A2607
THATIKONDA SAIKIRAN	19A95A2637
VAISHAK VIJAYAN	17A91A2622

For the partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Department of Mining Engineering of Aditya Engineering College to Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out by them under the guidance and supervision during academic year of 2021-22.

Project Guide

Mr. REGATI SUDHAKAR REDDY  
Asst. Professor, Dept. of Min .E.

Head of the Department

SATYAJEET PARIDA,

Head of the Department  
DEPARTMENT OF MINING ENGINEERING  
ADITYA ENGINEERING COLLEGE (A9)

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Aditya Nagar, ADB Road – Surampalem -533437, East Godavari District, A.P

**DEPARTMENT OF MINING ENGINEERING**



**Certificate**

This is to certify that the thesis entitled "CHARACTERIZATION, RELEASE ANALYSIS  
AND BENEFICIATION OF CCL, KARMA COAL BY FROTH FLOTATION METHOD"

**submitted by**

<b>J. SAI CHANAKYA</b>	<b>18A91A2604</b>
<b>RAHUL KUMAR DUBEY</b>	<b>18A91A2619</b>
<b>Y. SANJAY BHARGAV</b>	<b>19A95A2611</b>
<b>G. SRIVARDHAN</b>	<b>19A95A2613</b>

To the Aditya Engineering College, Surampalem (Affiliated to JNTU  
Kakinada) for partial fulfillment of the reward of the degree of Bachelor  
of Technology in Mining Engineering is an authentic work carried out by  
the above students under my guidance and supervision. To the best of my  
knowledge, the matter embodied in the thesis has not been submitted to  
any other university/institute for the award of any degree

**Project Guide**  
**Dr. SUBHA RANJAN PAUL**

**Head of Department**  
**SATYAJEET PARIDA**

**Head of the Department**  
**DEPARTMENT OF MINING ENGINEERING**  
**ADITYA ENGINEERING COLLEGE (A)**

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**SURAMPALAM - 533 437**

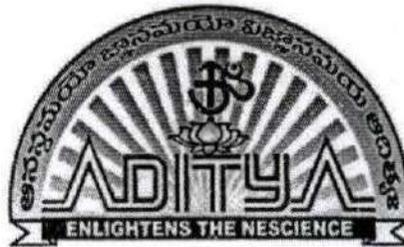
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DEPARTMENT OF MINING ENGINEERING



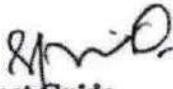
## Certificate

This is to certify that the project report entitled “COMPRISON OF DIFFERENT EMPIRICAL FORMULAS USED FOR ESTIMATION OF GCV OF COAL”

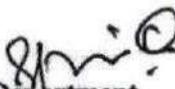
being submitted by

JAMMISHETTI THARUPATHI	19A95A2609
NICHAKOLLA SAITEJA	19A94A2614
AYITIPAMULA MAHESH	19A95A2620
ANUMU CHANDRA KIRAN	19A95A2622

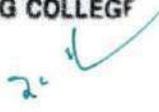
For the partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Department of Mining Engineering of Aditya Engineering College to Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out by them under the guidance and supervision during academic year of 2021-22.

  
Project Guide

SATYAJEET PARIDA,  
Asst. Professor, Dept. of Min .E

  
Head of the Department

SATYAJEET PARIDA,  
Head of the Department  
DEPARTMENT OF MINING ENGINEERING  
ADITYA ENGINEERING COLLEGE

  
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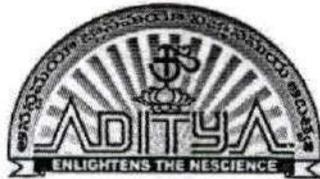
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This is to certify that the thesis entitled "EFFECT OF INTERCULTIVATION ON GINGER (*Zingiber Officinale*) AND CLUSTER BEANS (*Cyamopsis tetragonoloba*) ON SOIL FERTILITY AND YIELD IN BOTH SHADE NET AND OPEN FIELD" is being submitted by

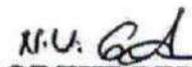
LRAVI KUMAR	19A95A3512
AJAY R THAMP	18A91A3502
T. CHARAN GOPI	19A95A3513
SAKANDER ALI	18A91A3532

In partial fulfillment of the the requirement for the award of the B. Tech degree in Agricultural Engineering for the academic year 2021-22

The results embodied in this Project report have not been submitted to any other University or Institute for the award of any degree or diploma.

  
**PROJECT GUIDE**

Er. Y. Naga Lakshmi  
Assistant Professor

  
**HEAD OF THE DEPARTMENT**

Dr. N.V. Gowtham Deekshithulu  
Asst. Professor & HOD  
Head of the Department  
Department of Agricultural Engineering  
ADITYA ENGINEERING COLLEGE (A9)

  
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ADITYA ENGINEERING COLLEGE  
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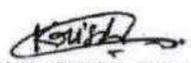
**CERTIFICATE**

This is to certify that the thesis entitled "STUDY ON EFFECT OF WAVE PROPAGATION IN ELEPHANT YAM ONTOGENESIS" is being submitted by

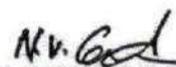
<b>G.BHAGYASRI</b>	<b>19A95A3501</b>
<b>G.PRANATI</b>	<b>18A91A3510</b>
<b>N.MRUDULADEEPTHI</b>	<b>19A95A3506</b>
<b>Y.SIVASAI</b>	<b>18A91A3543</b>

In partial fulfillment of the the requirement for the award of the B. Tech. degree in Agricultural Engineering for the academic year 2021-22

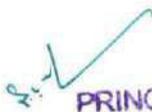
The results embodied in this Project report have not been submitted to any other University or Institute for the award of any degree or diploma.

  
**PROJECT GUIDE**

Er. Yatham Venkata Krishna Reddy  
Assistant Professor

  
**HEAD OF THE DEPARTMENT**

Dr. N.V. Gowtham Deekshithulu  
Asst. Professor & HOD  
Head of the Department  
Department of Agricultural Engineering  
ADITYA ENGINEERING COLLEGE (A9)

  
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**DEPARTMENT OF AGRICULTURAL ENGINEERING**



**CERTIFICATE**

This is to certify that the thesis entitled "PARAMETRIC STUDY ON INFLUENCE OF SOUND

WAVE ON QUALITY RESPONSE IN

ELEPHANT YAM" is being submitted by

<b>T. MOUNIKA</b>	<b>18A91A3540</b>
<b>P. HEMANTH SAI KUMA</b>	<b>19A95A3509</b>
<b>SIRSENDU MAITY</b>	<b>18A91A3533</b>
<b>S. KARTHIK RAM</b>	<b>18A91A3534</b>

In partial fulfillment of the the requirement for the award of the B. Tech degree in Agricultural Engineering for the academic year 2021-22

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*M. Sreenija*  
**PROJECT GUIDE**

Er. M. SREENIJA  
Assistant Professor

*N.V. Gowtham*  
**HEAD OF THE DEPARTMENT**

Dr. N.V. Gowtham Deekshithulu  
Asst. Professor & HOD

Head of the Department  
Department of Agricultural Engineering  
ADITYA ENGINEERING COLLEGE (A9)

*Se. L.*  
**PRINCIPAL**  
ADITYA ENGINEERING COLLEGE  
SURAMPALEM - 533 437

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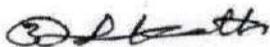
**CERTIFICATE**

This is to certify that the thesis entitled "DEVELOPMENT OF MANUALLY WHEEL OPERATED SWINGING LANCE SPRAYER" is being submitted by

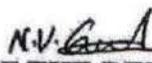
<b>K.MAHITHA</b>	<b>18A91A3517</b>
<b>M. SRI LAKSHMI</b>	<b>18A91A3524</b>
<b>SUBHAJIT DAS</b>	<b>18A91A3536</b>
<b>S. SATYA TEJA</b>	<b>18A91A3544</b>

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**PROJECT GUIDE**

**Dr. B. KRISHNA KANTH**  
Assistant Professor

  
**HEAD OF THE DEPARTMENT**

**Dr. N.V. Gowtham Deekshithulu**  
Asst. Professor & HOD  
Head of the Department  
Department of Agricultural Engineering  
ADITYA ENGINEERING COLLEGE (A9)

  
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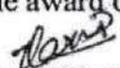
**CERTIFICATE**

This is to certify that the thesis entitled "STUDY OF VARIOUS ORGANIC TREATMENTS ON BEETROOT CROP (Beta vulgaris)" is being submitted by

<b>K. SIREESHA</b>	<b>18A91A3519</b>
<b>P. BRAHMATEJA</b>	<b>18A91A3525</b>
<b>ATHUL RAJ.V</b>	<b>18A91A3504</b>
<b>K.BALAGURAVAI AH</b>	<b>18A91A3545</b>

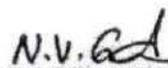
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**PROJECT GUIDE**

**Er. S. JHANSI LAKSHMI**

**Assistant Professor**

  
**HEAD OF THE DEPARTMENT**

**Dr. N.V. Gowtham Deekshithulu**

**Asst. Professor & HOD**  
**Head of the Department**  
**Department of Agricultural Engineering**  
**ADITYA ENGINEERING COLLEGE (A9)**

  
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Department of Civil Engineering



This is to certify that the thesis/Dissertation entitled "Structural Analysis and Design of a Multistory structure". That is being submitted by PARADESI ELIZABETH RAJASREE bearing Roll No. 20A91D8701 in partial fulfillment of the requirement for the award of Degree of the Master of Technology in **STRUCTURAL ENGINEERING**, to the **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by him/her at Aditya Engineering College under my guidance and supervision.

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**PROJECT GUIDE**

Dr. B.Ram Mohan Reddy  
ASSISTANT PROFESSOR

**HEAD OF THE DEPARTMENT**

  
P. RAVI KISHORE  
HOD  
Head of the Department  
Dept. of Civil Engineering  
ADITYA ENGINEERING COLLEGE (A9)

  
PRINCIPAL  
ADITYA ENGINEERING COLLEGE  
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Department of Civil Engineering



This is to certify that the thesis/Dissertation entitled "Effect of Wind on RC structure resting on sloping ground and Analysis done using Etabs software". That is being submitted by PEADPATI VARA LAKSHMI bearing Roll No. 20A91D8702 in partial fulfillment of the requirement for the award of Degree of the Master of Technology in **STRUCTURAL ENGINEERING**, to the **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by him/her at Aditya Engineering College under my guidance and supervision.

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P. Ravi Kishore  
Assistant Professor

#### HEAD OF THE DEPARTMENT

  
P. RAVI KISHORE  
Head of the Department  
Dept. of Civil Engineering  
ADITYA ENGINEERING COLLEGE (A9)

  
PRINCIPAL  
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Yaswanth K K  
Assistant Professor

#### HEAD OF THE DEPARTMENT

  
P. RAVI KISHORE  
Head of the Department  
Dept. of Civil Engineering  
ADITYA ENGINEERING COLLEGE (A2)

  
PRINCIPAL  
ADITYA ENGINEERING COLLEGE  
SURAMPALEM - 533 437

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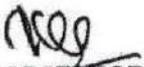
This is to certify that the thesis/Dissertation entitled "Analysis and Design of Auditorium using staadpro". That is being submitted by BHASKARLA NAVEEN bearing Roll No. 20A91D8706 in partial fulfillment of the requirement for the award of Degree of the Master of Technology in **STRUCTURAL ENGINEERING**, to the **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by him/her at Aditya Engineering College under my guidance and supervision.

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Assistant Professor

#### HEAD OF THE DEPARTMENT

  
P. RAVIKISHORE  
HOD  
Head of the Department  
Dept. of Civil Engineering  
ADITYA ENGINEERING COLLEGE (A9)

  
PRINCIPAL  
ADITYA ENGINEERING COLLEGE  
SURAMPALEM - 533 437

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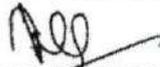
This is to certify that the thesis/Dissertation entitled "Aetrofitting of reinforced concrete frames using steel bracings". That is being submitted by BIYYALA SAI RAMESH bearing Roll No. 20A91D8707 in partial fulfillment of the requirement for the award of Degree of the Master of Technology in **STRUCTURAL ENGINEERING**, to the **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by him/her at Aditya Engineering College under my guidance and supervision.

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**PROJECT GUIDE**

**Dr. B.Ram Mohan Reddy**  
Assistant Professor

**HEAD OF THE DEPARTMENT**

  
**P. RAVI KISHORE**  
Head of the Department  
Dept. of Civil Engineering  
ADITYA ENGINEERING COLLEGE (A9)

  
**PRINCIPAL**  
ADITYA ENGINEERING COLLEGE  
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Department of Electrical and Electronics Engineering



This is to certify that the thesis/Dissertation entitled "POWER FACTOR CORRECTION IN SRM MOTOR DRIVES USING BOOST CONVERTER IN CONTINUOUS CONDUCTION MODE". That is being submitted by ALETI VEERA SOMADHITYA bearing Roll No. 20A91D5201 in partial fulfillment of the requirement for the award of Degree of the Master of Technology in **POWER ELECTRONICS AND DRIVES**, to the **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by him/her at Aditya Engineering College under my guidance and supervision.

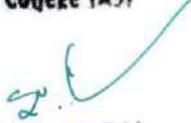
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**PROJECT GUIDE**

  
**Dr. V. SRINIVASA RAO**  
Professor & HOD

**HEAD OF THE DEPARTMENT**

  
**Dr. V. Srinivasa Rao**  
Professor & HOD  
Head of The Department  
Dept: Of Electrical & Electronics Engineering  
Aditya Engineering College (A9)

  
**PRINCIPAL**  
ADITYA ENGINEERING COLLEGE  
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Department of Electrical and Electronics Engineering



This is to certify that the thesis/Dissertation entitled "IMPROVEMENT OF POWER QUALITY USING HYBRID UP-PWM SCHEME FOR HERIC INVERTER WITH CLOSED LOOP CONTROL". That is being submitted by ANANTAPATNAIKUNI GIRIDHAR bearing Roll No. 20A91D5202 in partial fulfillment of the requirement for the award of Degree of the Master of Technology in **POWER ELECTRONICS AND DRIVES**, to the **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by him/her at Aditya Engineering College under my guidance and supervision.

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Dr. K. V. S. RAMACHANDRA MURTHY  
Professor, Dean R&D

### HEAD OF THE DEPARTMENT

  
Dr. V. Srinivasa Rao  
Professor & HOD  
Head of The Department  
Dept: Of Electrical & Electronics Engineering  
Aditya Engineering College (A9)

  
PRINCIPAL  
ADITYA ENGINEERING COLLEGE  
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Department of Electrical and Electronics Engineering



This is to certify that the thesis/Dissertation entitled "SIMULATION OF INTERLEAVED CONVERTER FOR BLDC APPLICATIONS USING A SEPIC DC-DC CONVERTER RUNNING IN DISCONTINUOUS CONDUCTION MODE". That is being submitted by BUDALA SURYATEJA bearing Roll No. 20A91D5203 in partial fulfillment of the requirement for the award of Degree of the Master of Technology in **POWER ELECTRONICS AND DRIVES**, to the **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by him/her at Aditya Engineering College under my guidance and supervision.

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Shri. CH.B. AYYAPPA RAJU  
Associate Professor

  
**HEAD OF THE DEPARTMENT**

Dr. V. Srinivasa Rao  
Professor & HOD  
Head of The Department  
Dept: Of Electrical & Electronics Engineering  
Aditya Engineering College (A9)

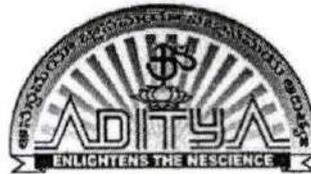
  
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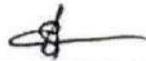
Department of Electrical and Electronics Engineering



This is to certify that the thesis/Dissertation entitled "A NOVEL METHOD OF SINGLE-PHASE ASYMMETRICAL MULTI LEVEL INVERTER TOPOLOGY WITH MINIMUM NUMBER OF POWER ELECTRONIC SWITCHES". That is being submitted by D ARUN KUMAR bearing Roll No. 20A91D5204 in partial fulfillment of the requirement for the award of Degree of the Master of Technology in **POWER ELECTRONICS AND DRIVES**, to the **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by him/her at Aditya Engineering College under my guidance and supervision.

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Shri. P.S.D. BHIMA RAJU

Associate Professor

### HEAD OF THE DEPARTMENT



Dr. V. Srinivasa Rao

Professor & HOD  
Head of The Department  
Dept: Of Electrical & Electronics Engineering,  
Aditya Engineering College (A9)



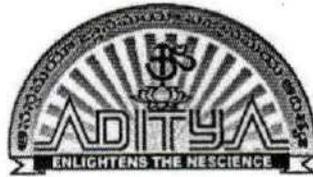
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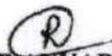


This is to certify that the thesis/Dissertation entitled "MULTILEVEL LEVEL SINGLE PHASE INVERTER IMPLEMENTATION FOR REDUCED HARMONIC

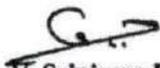
CONTENTS.". That is being submitted by GRANDHI VENKATA SAIRAM bearing Roll No. 20A91D5205 in partial fulfillment of the requirement for the award of Degree of the Master of Technology in **POWER ELECTRONICS AND DRIVES**, to the **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by him/her at Aditya Engineering College under my guidance and supervision.

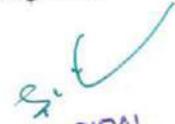
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Shri. CH.B. AYYPAPPA RAJU  
Associate Professor

#### HEAD OF THE DEPARTMENT

  
Dr. V. Srinivasa Rao  
Professor & HOD  
Head of The Department  
Dept: Of Electrical & Electronics Engineering  
Aditya Engineering College (A9)

  
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ADITYA ENGINEERING COLLEGE  
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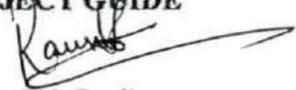
Department of Mechanical Engineering



This is to certify that the thesis/Dissertation entitled "EXPERIMENTAL INVESTIGATIONS ON ROLE OF HYBRID NANO PARTICLES AND ITS INFLUENCE ON RCCI COMBUSTION STRATEGY OF A DIESEL". That is being submitted by SURAMPUDI SATYA SIVA RAM bearing Roll No. 20A91D2116 in partial fulfillment of the requirement for the award of Degree of the Master of Technology in THERMAL ENGINEERING, to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him/her at Aditya Engineering College under my guidance and supervision.

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Dr. P. S. Ranjit  
Professor

HEAD OF THE DEPARTMENT

  
Dr. Bh. Vara Prasad  
Professor & HOD

  
PRINCIPAL  
ADITYA ENGINEERING COLLEGE  
RAMPALEM - 533 437

Head of the Department  
Department of Mechanical Engineering  
Aditya Engineering College (A)  
SURAMPALEM-533 437

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Department of Mechanical Engineering



This is to certify that the thesis/Dissertation entitled "EFFECT OF HYBRID NANO PARTICLE IN PCCI ENGINE OPERATED WITH BIODIESEL". That is being submitted by SRINIVAS NIMMAKAYALA bearing Roll No. 20A91D2115 in partial fulfillment of the requirement for the award of Degree of the Master of Technology in THERMAL ENGINEERING, to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him/her at Aditya Engineering College under my guidance and supervision.

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PROJECT GUIDE

Dr. P.V. Elumalai

Associate Professor

HEAD OF THE DEPARTMENT

Dr. Bh. Vara Prasad

Professor & HOD

Head of the Department  
Department of Mechanical Engineering  
Aditya Engineering College (A)  
SURAMPALEM-533 437

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### Department of Mechanical Engineering



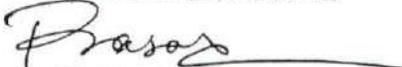
This is to certify that the thesis/Dissertation entitled "THERMAL ANALYSIS OF LASER WELDING OF 316n STEEL". That is being submitted by SODASANI SATYAKUMAR bearing Roll No. 20A91D2114 in partial fulfillment of the requirement for the award of Degree of the Master of Technology in THERMAL ENGINEERING, to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him/her at Aditya Engineering College under my guidance and supervision.

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Dr. M. Zubairuddin  
Assistant Professor

#### HEAD OF THE DEPARTMENT

  
Dr. Bh. Vara Prasad  
Professor & HOD

Head of the Department  
Department of Mechanical Engineering  
Aditya Engineering College (A)  
SURAMPALEM-533 437

  
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ADITYA ENGINEERING COLLEGE  
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Dr. M. Zubairuddin  
Assistant Professor

HEAD OF THE DEPARTMENT

  
Dr. Bh. Vara Prasad  
Professor & HOD

  
PRINCIPAL  
ADITYA ENGINEERING COLLEGE  
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Head of the Department  
Department of Mechanical Engineering  
Aditya Engineering College (A)  
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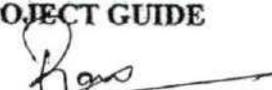
Department of Mechanical Engineering



This is to certify that the thesis/Dissertation entitled "SIMULATION OF STIR CASTING PROCESS BY COMPUTATIONAL FLUID DYNAMICS FOR UNIFORM DISTRIBUTION OF NANO PARTICLES". That is being submitted by BODA SURENDRA bearing Roll No. 20A91D2104 in partial fulfillment of the requirement for the award of Degree of the Master of Technology in **THERMAL ENGINEERING**, to the **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by him/her at Aditya Engineering College under my guidance and supervision.

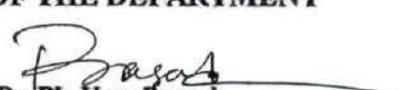
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Mr. K. Rajendra

Assistant Professor

HEAD OF THE DEPARTMENT

  
Dr. Bh. Vara Prasad

Professor & HOD

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ADITYA ENGINEERING COLLEGE  
SURAMPALEM - 533 437

Head of the Department  
Department of Mechanical Engineering  
Aditya Engineering College (A)  
SURAMPALEM-533 437

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This is to certify that the thesis entitled "DESIGN AND IMPLEMENTATION OF MAC UNIT BY USING EFFICIENT POSIT MULTIPLIER USING XILINX" is being submitted by

**THUTE KEERTHI**

**20A91D7204**

In partial fulfillment of the requirements for the award of degree of **Master of Technology** in **Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by them at Aditya Engineering College.

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**Dr. YASHU SWAMY**  
**Professor**

  
**Head of the Department**

**Dr. G Sridevi**  
**HOD & Professor**

  
**PRINCIPAL**  
**ADITYA ENGINEERING COLLEGE**  
**SURAMPALEM - 533 437**

**Head of the Department**  
**Department of E.C.E.**  
**Aditya Engineering College (AG)**

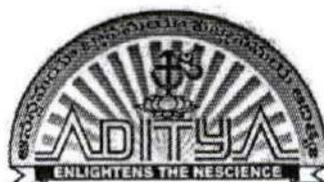
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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



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This is to certify that the thesis entitled **“Design and Implementation of Area Efficient Finite Impulse Response Filter Using High End Adders and Compressors”** is being submitted by

**T.Sambhavi devi**

**20A91D7205**

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**Project Guide**

**Mrs. B S Sridevi**

**Assoc. Professor**

**Head of the Department**

**Dr. G Sridevi**

**HOD & Professor**

  
**PRINCIPAL**  
**ADITYA ENGINEERING COLLEGE**  
**SURAMPALEM - 533 437**

**Head of the Department**  
**Department of E.C.E.**  
**Aditya Engineering College (A9)**

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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



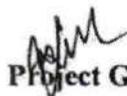
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This is to certify that the thesis entitled **"An Analysis On Effective Video Processing Architectures"** is being submitted by

**TAMMANA PAVANI RATNA PRAVALLIKA 20A91D7206**

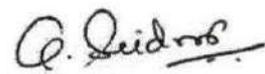
In partial fulfillment of the requirements for the award of degree of **Master of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by them at Aditya Engineering College.

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**Project Guide**

**Mr. P. Bujjibabu**

**Assoc. Professor**

  
**Head of the Department**

**Dr. G Sridevi**

**HOD & Professor**

**Head of the Department  
Department of E.C.E.  
Aditya Engineering College (A9)**

  
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ADITYA ENGINEERING COLLEGE  
SURAMPALEM - 533 437**

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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**



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This is to certify that the thesis entitled "**LOW COST AND HIGH SPEED VLSI ARCHITECTURE OF THE BILATERAL FILTER FOR REAL TIME IMAGE**

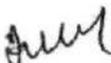
**DENOISING**" is being submitted by

**VANGALA SATYA SIREESHA**

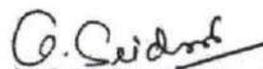
**20A91D7207**

In partial fulfillment of the requirements for the award of **Master of Technology** in **Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by them at **Aditya Engineering College**.

The results embodied in this Project report have not been submitted to any other University or Institute for the award of any degree or diploma.

  
Project Guide

**Dr. G. Suresh**  
Professor

  
Head of the Department

**Dr. G Sridevi**  
HOD & Professor

  
**PRINCIPAL**  
**ADITYA ENGINEERING COLLEGE**  
**SURAMPALAM - 533 437**

**Head of the Department**  
**Department of E.C.E.**  
**Aditya Engineering College (A<sup>o</sup>)**

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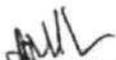
This is to certify that the thesis entitled "DESIGN AND IMPLEMENTATION OF DIGITAL CLOCK MANAGER BASED PSEUDO-TRUE RANDOM NUMBER GENERATOR" is being submitted by

**VANGALA SATYA SIREESHA**

**20A91D7207**

In partial fulfillment of the requirements for the award of degree of **Master of Technology in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by them at Aditya Engineering College.

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**Dr. G. Vishnu Vardhan**

**Assoc. Professor**

  
**Head of the Department**

**Dr. G Sridevi**

**HOD & Professor**

**Head of the Department**  
**Department of E.C.E.**  
**Aditya Engineering College (A9)**

  
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**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**



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This is to certify that the thesis entitled "Establishment and Authentication Mechanism In The Network Through Digital Certificate Management" is being submitted by

**AKELLA SAI SWAROOP**

**20A91D5801**

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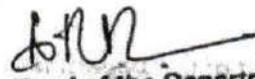
**Dr. S. RAMA SREE**

Professor

**HEAD OF THE DEPARTMENT**

**Ms. A. Vanathi**

Professor & HOD

  
**Head of the Department**  
**Department of CSE**  
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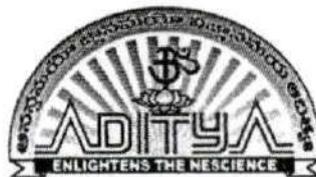
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This is to certify that the thesis entitled "An implementation of blockchain to avoid security information leakage from centralized servers" is being submitted by

**BIKKINA RAMAKRISHNA**

**20A91D5802**

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**V. RAVI KISHORE**

Associate Professor

**HEAD OF THE DEPARTMENT**

**Ms. A. Vanathi**

Professor & HOD

*[Signature]*  
Head of the Department  
Department of CSE

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**BOTAMANCHI PRAMEELA RANI**

**20A91D5803**

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**A. VANATHI**

Associate Professor

**HEAD OF THE DEPARTMENT**

**Ms. A. Vanathi**

Professor & HOD

*[Signature]*  
**Head of the Department**  
**Department of CSE**  
**ADITYA ENGINEERING COLLEGE (A&T)**

*[Signature]*  
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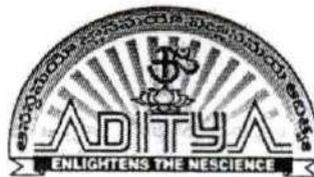
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This is to certify that the thesis entitled "INTRACRANIAL HEMORRHAGE DETECTION IN HUMAN BRAIN USING DEEP LEARNING." is being submitted by

**CH.S.S.MOUNIKA**

**20A91D5804**

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**Dr. S. PRASANTH VAIDYA**

Assistant Professor

**HEAD OF THE DEPARTMENT**

**Ms. A. Vanathi**

Professor & HOD

*[Signature]*  
Head of the Department  
Department of CSE

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This is to certify that the thesis entitled "Comparative Analysis of Animal Repelling Systems to Protect the Crops Using Deep Learning Techniques" is being submitted by

**CHENNAPRAGADA AMARENDRA**

**20A91D5805**

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**Dr.T. RAMA REDDY**

Professor

**HEAD OF THE DEPARTMENT**

**Ms. A. Vanathi**

Professor & HOD

*[Signature]*  
Head of the Department  
Department of GSE

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*[Signature]*  
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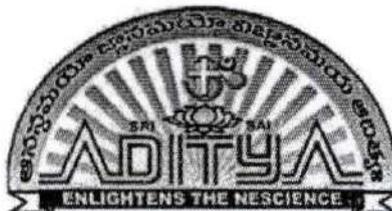
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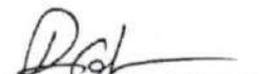
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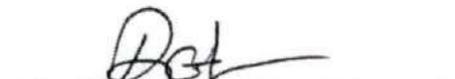
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This is to certify that the thesis entitled "A DEVELOPMENT OF SOFTWARE BASED WATER INFLUX MODEL BY USING COMPUTER PROGRAMMING LANGUAGE" is being submitted by 20A91D0801 -BATHULA SAI MUTYA NAVEEN.

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(Dr. R. GIRI PRASAD)

  
HEAD OF THE DEPARTMENT

(Dr. R. GIRI PRASAD)

Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College (A)  
SURAMPALAM-5 437



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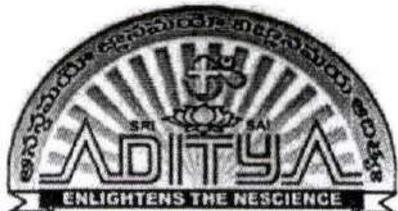
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DEPARTMENT OF PETROLEUM TECHNOLOGY



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(Y.R.C.S. Narayana)

  
HEAD OF THE DEPARTMENT  
(Dr. R. GIRI PRASAD)

Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College (A)  
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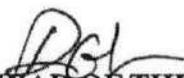
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This is to certify that the thesis entitled "AN OVERVIEW OF OFFSHORE PLATFORMS AND TRANSPORTATION OF OIL AND NATURAL GAS" is being submitted by **20A91D0804 -R VENKATA SOMA SEKHAR.**

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(M.V.V.S. Anuprakash)

  
HEAD OF THE DEPARTMENT

(Dr. R. GIRI PRASAD)

Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College (A)  
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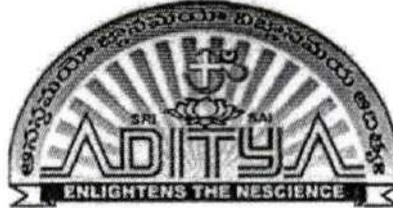
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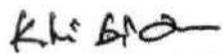
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**20A91D0805-REDDY KALYANI.**

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(K.Hima Bindu)

  
**HEAD OF THE DEPARTMENT**  
(Dr. R. GIRI PRASAD)

Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College (A)  
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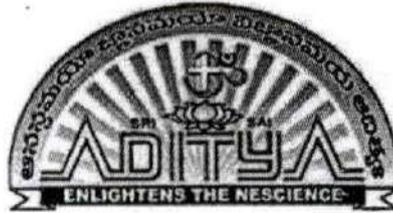
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**(Y.R.C.S. Narayana)**

**HEAD OF THE DEPARTMENT**

**(Dr. R. GIRI PRASAD)**

Head of the Department  
Department of Petroleum Technology  
Aditya Engineering College (A)  
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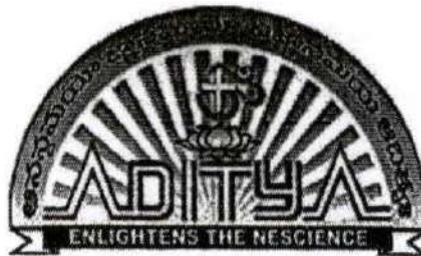
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### CERTIFICATE

This is to certify that the project report entitled A Study On "Working Capital Management" with reference to "Tobacco Company", is a bonafide record of the project work done by Achanta Satish(20A91E0001) under my supervision and guidance, in partial fulfillment of the requirements for the award of Degree of **MASTER OF BUSINESS ADMINISTRATION** from JNTU Kakinada.

*N. Visalakshi*  
Project Guide

Dr.N.Visalakshi

*N. Visalakshi*  
Signature of HOD

Dr. N. Visalakshi

*Head of the Department*  
Department of Management Studies  
Aditya Engineering College (A)  
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### CERTIFICATE

This is to certify that the project report entitled A Study On "Capital Budgeting" with reference to "Heritage Foods" is a bonafide record of the project work done by Atukuri Satya Siva Krishna(20A91E0004) under my supervision and guidance, in partial fulfillment of the requirements for the award of Degree of MASTER OF BUSINESS ADMINISTRATION from JNTU Kakinada.

*N. Visalakshi*  
Project Guide  
Dr.N.Visalakshi

*N. Visalakshi*  
Signature of HOD  
Dr. N. Visalakshi

*N. Visalakshi*  
Head of the Department  
Department of Management Studies  
Aditya Engineering College (A)  
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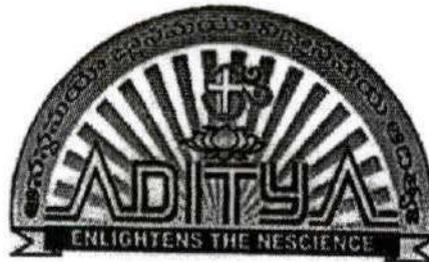
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*N. Visalakshi*  
Project Guide

Dr.N.Visalakshi

*N. Visalakshi*  
Signature of HOD

Dr. N. Visalakshi

*N. Visalakshi*  
Head of the Department  
Department of Management Studies  
Aditya Engineering College (A)  
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*S. K.*

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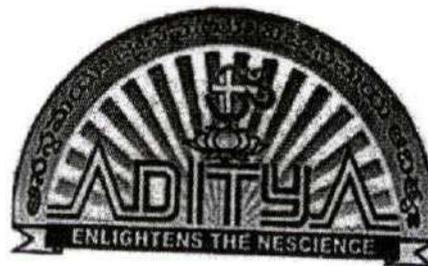
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This is to certify that the project report entitled **A Study On "Financial Performance Through The Statement Analysis"** with reference to **"Coromandel Pvt Ltd."** is a bonafide record of the project work done by **Emmella Sweta Sri(20A91E0010)** under my supervision and guidance, in partial fulfillment of the requirements for the award of Degree of **MASTER OF BUSINESS ADMINISTRATION** from **JNTU Kakinada**.

*N. Visalakshi*  
Project Guide

Dr.N.Visalakshi

*N. Visalakshi*  
Signature of HOD

Dr. N. Visalakshi

*N. Visalakshi*  
Head of the Department  
Department of Management Studies  
Aditya Engineering College (A)  
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*N. Visalakshi*

Project Guide

Dr.N.Visalakshi

*N. Visalakshi*

Signature of HOD

Dr. N. Visalakshi

*Head of the Department*  
Department of Management Studies  
Aditya Engineering College (A)  
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*[Handwritten signature]*

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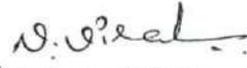
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Project Guide  
Karri Srinivasu

  
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N. Visalakshi

Head of the Department  
Department of Management Studies  
Aditya Engineering College (A)  
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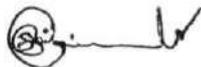
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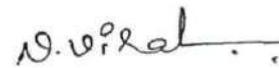
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Project Guide

Karri Srinivasu



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N. Visalakshi

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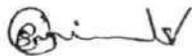
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Project Guide

Karri Srinivasu



Signature of HOD

N. Visalakshi

*Head of the Department*  
Department of Management Studies  
Aditya Engineering College (A)  
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This is to certify that the project report entitled A Study On "Training and Development" with reference to "Amara Raja Batteries Ltd.," is a bonafide record of the project work done by Avidi Mohan Murali (17A91M0004) under my supervision and guidance, in partial fulfillment of the requirements for the award of Degree of **INTEGRATED MASTER OF BUSINESS ADMINISTRATION** from JNTU Kakinada.



Project Guide

Karri Srinivasu



Signature of HOD

N. Visalakshi

Head of the Department  
Department of Management Studies  
Aditya Engineering College (A)  
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*K. Shailaja*  
Project Guide  
Koka Shailaja

*N. Visalakshi*  
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N. Visalakshi

*Head of the Department*  
Department of Management Studies  
Aditya Engineering College (A)  
SURAMPALEM

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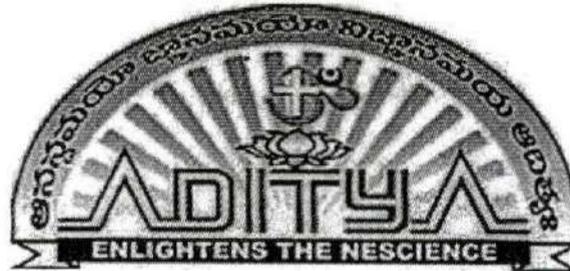
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DEPARTMENT OF MCA



## CERTIFICATE

This is to certify that the project work entitled, "COURIER MANAGEMENT SYSTEM" is a Bonafide work of APPANAPALLI VEERESH bearing Regd.No:20A91F0002 submitted to the faculty of Master of Computer Applications partial fulfillment of the requirements for the award of the degree of MASTER OF COMPUTER APPLICATIONS from Aditya Engineering College, Surampalem for the academic year 2020-2021.

*N.V.S Murthy*

**Project Guide**

Mr. N. V S Murthy

Associate Professor

Department of MCA,

Aditya Engineering College,

Surampalem-533437.

**Head of the Department**

Mrs.D.BEULAH,M.Tech.(Ph.D)

Associate Professor,

Department of MCA,

Aditya Engineering College,

Surampalem-533437.

*Beulah*  
Head of the Department  
Department of MCA  
Aditya Engineering College

*SEL*  
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DEPARTMENT OF MCA



## CERTIFICATE

This is to certify that the project work entitled, "SALES PREDICTION SYSTEM FOR GROCERY ITEMS USING XG BOOST" is a Bonafide work of ARISIM SRUTHI SPANDHANA bearing Regd.No:20A91F0003 submitted to the faculty of Master of Computer Applications partial fulfillment of the requirements for the award of the degree of MASTER OF COMPUTER APPLICATIONS from Aditya Engineering College, Surampalem for the academic year 2020-2021.

*T. Satya*

**Project Guide**

Mrs. T. Satya Chellayi

Associate Professor

Department of MCA,

Aditya Engineering College,

Surampalem-533437.

**Head of the Department**

Mrs.D.BEULAH,M.Tech.(Ph.D)

Associate Professor,

Department of MCA,

Aditya Engineering College,

Surampalem-533437.

*Beulah*  
Head of the Department  
Department of MCA  
Aditya Engineering College

*Sil*

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SURAMPALEM - 533 437

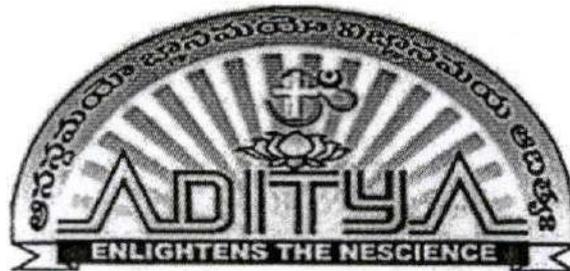
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### DEPARTMENT OF MCA



### CERTIFICATE

This is to certify that the project work entitled, "Image Segmentation Using Machine Learning" is a Bonafide work of **BIKKAVOLU ANANTHA RAMYA** bearing Regd.No:20A91F0004 submitted to the faculty of Master of Computer Applications partial fulfillment of the requirements for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** from Aditya Engineering College, Surampalem for the academic year 2020-2021.

  
Project Guide

Mr. H Gautam

Associate Professor

Department of MCA,

Aditya Engineering College,

Surampalem-533437.

Head of the Department

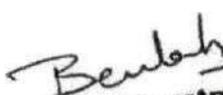
Mrs.D.BEULAH,M.Tech.(Ph.D)

Associate Professor,

Department of MCA,

Aditya Engineering College,

Surampalem-533437.

  
Head of the Department  
Department of MCA  
Aditya Engineering College

  
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DEPARTMENT OF MCA



## CERTIFICATE

This is to certify that the project work entitled, "CANCER PREDICTION" is a Bonafide work of BOJANKI HINDU VENKATA DURGA bearing Regd.No:20A91F0005 submitted to the faculty of Master of Computer Applications partial fulfillment of the requirements for the award of the degree of MASTER OF COMPUTER APPLICATIONS from Aditya Engineering College, Surampalem for the academic year 2020-2021.

S.S.

**Project Guide**

**Mr. S S Sudhir Reddy**

Assistant Professor

Department of MCA,

Aditya Engineering College,

Surampalem-533437.

**Head of the Department**

**Mrs.D.BEULAH,M.Tech.(Ph.D)**

Associate Professor,

Department of MCA,

Aditya Engineering College,

Surampalem-533437.

*Beulah*  
Head of the Department  
Department of MCA  
Aditya Engineering College

*g.v.*  
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SURAMPALEM - 533 437

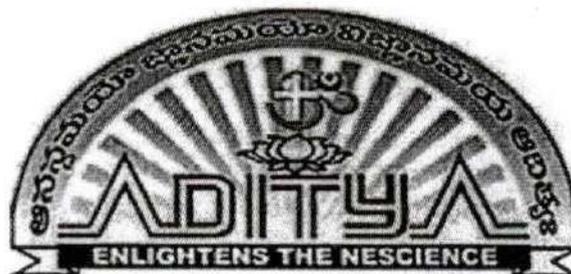
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## CERTIFICATE

This is to certify that the project work entitled, "UBER DATA ANALYSIS

USING K-MEANS CLUSTERING" is a Bonafide work of CHEBOLU SRI VENKATA NAGA SRIMAYI bearing Regd.No:20A91F0006 submitted to the faculty of Master of Computer Applications partial fulfillment of the requirements for the award of the degree of MASTER OF COMPUTER APPLICATIONS from Aditya Engineering College, Surampalem for the academic year 2020-2021.

  
Project Guide

Mr. Baliredi Ramesh

Assistant Professor

Department of MCA,

Aditya Engineering College,

Surampalem-533437.

Head of the Department

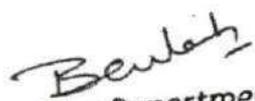
Mrs.D.BEULAH,M.Tech.(Ph.D)

Associate Professor,

Department of MCA,

Aditya Engineering College,

Surampalem-533437.

  
Head of the Department  
Department of MCA  
Aditya Engineering College

  
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