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PARITALA, KRISHNA DISTRICT – 521 180 (A.P)



DEPARTMENT OF CIVIL ENGINEERING





CERTIFICATE

This is to certify that the project entitled "EXPERIMENTAL INVESTIGATION OF STRENGTH PROPERTIE OF METAKAOLIN BLENDED CONCRETE" was successfully carried out by K.SRUTHI (19AJ1A0110), K.MAHESH(19AJ1A0104), K.SUMANTH (19AJ1A0108), V.RAMU (20AJ5A0108). fulfilment for the award of the Bachelor of Technology in CIVIL ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022e2023: 8 Head Department of Civil Engineering

PROJECT CHIPF

V.SRAVANI(M.TECH)

Assistant Professor

Amrita Sai Institute of Success fectorology
Paritala, krishna Ot 2: 185

HEAD OF THE DEPARTMENT
Sri B. KOTESWARA RAO (M.tech)
Assistant professor



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PARITALA, KRISHNA DISTRICT – 521 180 (A.P.)

DEPARTMENT

OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project entitled "ASSESSMENT OF GROUND WATERQUALITY IN AN AROUND KELEESPURAM & MULAPADU VILLAGES, IBRAHIMPATNAM (MANDAL), NTR (DISTRICT)" was successfully carried out by CH. KOTIMUTHYALU (19AJ1A0103), K. VENKAT SAI (19AJ1A0105), K.VISHAL (19AJ1A0106), D. SAI RAMYA (20AJ5A0102) Submitted to the faculty of Civil Engineering, in the requirements for the Degree of BACHLOER OF TECHNOLOGY with specialization in CIVIL ENGINEERING from Jawaharlal Nehru Technological University Kakinada. During the academic year 2022-2023,

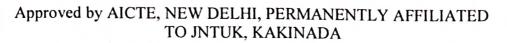
PROJECT GUIDE 109123
Dr M. THIYAGARAJAN, Ph.D

Associate Professor

HEAD ORTHE DEPARTMENT

ASH BSKOTESWARA RAO (Mitech)

Palasisimit professor 165



(AN ISO 9000-2008 CERTIFIED INSTITUTION)

PARITALA KRISHNA DISTRICT ANDHRA PRADESH - 521180 (AP)

DEPARTMENT

OF

CIVIL ENGINEERING



CERTIFICATE

This is certified that the project report entitled "A BRIEF STUDY ON RISK FACTORS IN GREEN BUILDING MATERIALS AND OVERCOME USING RISK MANAGEMENT" was successfully carried out by "M. NARASIMHA (19AJ1A0115), S. ANUSHA (19AJ1A0119), P. MAHESH (19AJ1A0116), and V. MANI TEJA (20AJ5A0105)". We are the students of "AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)", PARITALA in practical fulfillment of degree in "CIVIL ENGINEERING" from the board of JNTUK, during the year 2022-2023.

Project Guide

Ms. P. SAI SRAVANI (M.TECH)

Assistant Professor

Tenarrhidad of the Departmento Amrita Sai Institute of Sa RAO M TECHNOLOGY Mr. B. Kantala, Wallia RAO M TECHNOLOGY

HOD & Assistant Professor



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PARITALA, KRISHNA DISTRICT – 521 180 (A.P)

DEPARTMENT OF

CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project entitled "INVESTIGATION STUDY ON SOIL LIQUEFACTION ON DIFFERENT SOILS." was successfully carried out by M. GANESH (19AJ1A0112), B. LOKESH (19AJ1A0102), Y. SAINADHREDDY (20AJ5A0109), K. KUSHALKUMAR (191AJ1A0111) Submitted to the faculty of Civil Engineering, in the requirements for the Degree of BACHLOER OF TECHNOLOGY with specialization in CIVIL ENGINEERING from Jawaharlal Nehru Technological University Kakinada. During the academic year 2022-2023.

PROJECT GUIDE
P. ANUSHA M. Tech
Assistant Professor

AMEADORTHE DEPARTMENT,
Sri B. KOTESWARA RAO (M.tech)
Assistant professor

AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY

(AUTONOMOUS)



(AN ISO 9000-2008 CERTIFIED INSTITUTION)

PARITALA, KRISHNA DISTRICT, ANDHRA PRADESH – 521180

MAY, 2023

DEPARTMENT

OF CIVIL ENGINEERING



This is to certify that the project entitled "AN EXPERIMENTAL STUDY TO INVESTIGATE THE STRENGTH OF CONCRETE BY PARTIALLY REPLACE THE CEMENT WITH GGBS FOR M₃₀ GRADE CONCRETE" was successfully carried out by "J. NAVEEN (20AJ5A0112), T. ASHOK (19AJ1A0124), Y. SURESH (20AJ5A0110)." Fulfilment for the award of the Bachelor of Technology in CIVIL ENGINEERING by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS), PARITALA" during the academic year 2022-2023.

Project Guide

Mr. B. KOTESWARA RAO (M. TECH)

Assistant Professor

Head of the department the department of the dep

Assistant Professor





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DEPARTMENT
OF
CIVIL ENGINEER

This is to certify that the project entitled "EXPERIMENTAL INVESTIGATION ON USE OF PLASTIC WASTE IN FLEXIBLE PAVEMENTS." was successfully carried out by V. CHANDU (20AJ5A0106), K. NEERAJ PRASANTH (19AJ1A0107), B. SIRISHA (20AJ1A0101), T. NAGESHWARAO (19AJ1A0123) Submitted to the faculty of Civil Engineering, in the requirements for the Degree of BACHLOER OF TECHNOLOGY with specialization in CIVIL ENGINEERING from Jawaharlal Nehru Technological University Kakinada. During the academic year 2022-2023.

CERTIFICATE

PROJECT GUIDE

V. SRAVANI (M. Tech)

Assistant Professor

Professor & Profes

B. KOTESWARA RAO (M. Fech)

HOD & Assistant Professor





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> DEPARTMENT OF CIVIL ENGINEER



CERTIFICATE

This is to certify that the project entitled "EXPERIMENT AND INVESTIGATION ON STENGTH OF SELF- HEALING CONCRETE BY USING BACILLUS SUBSTILIS BACTERIA." was successfully carried out by SK. NAGURBEE (19AJ1A0121), M. NEHA (19AJ1A0113), S. CHAKRAVARTHI (191AJ1A0122), N. RAMANAIAH(20AJ5A0103) Submitted to the faculty of Civil Engineering, in the requirements for the Degree of BACHLOER OF TECHNOLOGY with specialization in CIVIL ENGINEERING from Jawaharlal Nehru Technological University Kakinada. During the academic year 20222023.

G. Mull PROJECT GUIDE

G. MRUDULA M. Tech

Assistant Professor

Profescor Head

Profescor Head

Amritaficial Scip Free Department ogv

Sri B! KOTESWARA RAO (M.tech)

Assistant professor

Approved By AICTE, NEW DELHI; PERMANENTLY AFFLIATED TO JNTU, KAKINADA

(AN ISO 9000 – 2008 CERTIFIED INSTITUTION) PARITALA, KRISHNA DISTRICT – 521 180 (A.P)

> DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project entitled "An Experimental study to increase the strength of concrete by partial replacement of cement with fly ash for M30 grade of concrete" was successfully carried out by P.BHARGAVI (19AJ1A0117), V.SUDA RANI (20AJ5A0107), M.NARENDRA (19AJ1A0114), R.SRI HARI (19AJ1A0118). fulfillment for the award of the Bachelor of Technology in CIVIL ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

T3. be les wante PROJECT GUIDE

B. KOTESWARA RAO (M. Tech),

ASSISTANT PROFESSOR

MIERNAL EXAMINER

Profescor & Head Profescor & Head Amrie Abi Ortiffe Department Sri B. KOTESWARA RAO (M. tech) Assistant professor



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(AN ISO 9000 – 2008 CERTIFIED INSTITUTION)

PARITALA, KRISHNA DISTRICT – 521 180 (A.P.)

DEPARTMENT
OF
CIVIL ENGINEERING



CERTIFICATE

This is to certify that the project entitled "EFFECTS OF DELAYED IN CURING ON BOND STRENGTH OF HIGH-PERFORMANCE CONCRETE" was successfully carried out by P.GANESH KUMAR(20AJ5A0111), R. HARSHA VARDHAN (20AJ5A0104), V.ROHITH(19AJ1A0126), K.KOTESWARARAO(19AJ1A0109). fulfillment for the award of the Bachelor of Technology in CIVIL ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GUIDE
Sri.G. MRUDULA MTech
Assistant Professor

AHEADORTHE DEPARTMENT TOTAL STREET B. KOTTESWARA RAO (Mitech)
Assistant professor

Approved By AICTE, NEW DELHI; PERMANENTLY AFFLIATED TO JNTU, KAKINADA

(AN ISO 9000 – 2008 CERTIFIED INSTITUTION)

PARITALA, KRISHNA DISTRICT – 521 180 (A.P)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "ONLINE UNUSED MEDICINE DONATION FOR NGO" was successfully carried out by M.CHARISHMA (19AJ1A0563), B.DHANALAKSHMI (19AJ1A0510), B.UDAY KIRAN (19AJ1A0515), B. NIKHIL SUBHASH (19AJ1A0518) fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year2022-2023.

PROJECT CONDE

SRI P. BAMESH BABU M. TECH

Associate professor

HEAD OF THE DEPARTMENT

Amrita Sai Det Magar, PARI ALA POLS2118

PATERNALET AMINER

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY



(AUTONOMOUS)
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KAKINADA

(AN ISO 9000 – 2008 CERTIFIED INSTITUTION)
PARITALA, KRISHNA DISTRICT – 521 180 (A.P)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Android Malware Detection System using machine learning" was successfully carried out by Y. PAVAN TEJA (19AJ1A05C5), P. GOPI ARAVIND (19AJ1A0583), T. MALLIKA (19AJ1A0566), fulfilment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT CUIDE

Mrs. M. Prameela

(Assistant Professor)

HEAD OF THE DEPARTMENT

Dr. M. Sreedevi Ph.D.

havita Sai Institute of Science & Technolog Amrita Sai Nagar, PARITALA (PO)-52118 Kanchikachert- Mdt., Krishna D

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(AN ISO 9000 – 2008 CERTIFIED INSTITUTION) PARITALA, KRISHNA DISTRICT – 521180 (A.P)



DEPARTMENT
OF
COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "FRUIT DISEASE PREDICTION USING MACHINE LEARNING OVER BIG DATA" was successfully carried out by S.KAVYASRI(19AJ1A05A3), M.DEVENDHAR(19AJ1A0569),SK.HASSENA(19AJ1A05A4),M.ANGELCHESMITHA(19AJ1A0573), fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECTICUISE

HEAD OF THE DEPARTMENT

Mrs.Ch.Sowjanya,

Dr.M.SREEDEVI, Ph.D

Assistant Professor

Professor & Head

Amrita Sai Nagar, PARITALA (PO)-52118

Kanchikachert Mdl. Krishna D

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DEPARTMENT
OF
COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Automatic HTML code generation from web images using machine learning" was successfully carried out by G. RAJYA LAKSHMI (19AJ1A0538), G.SADHYARANI (19AJ1A0537), G.SAIRAM CHETHAN (19AJ1A0535),B.GOPI PRASANNA KUMAR(19AJ1A0516) fulfilment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year2022-2023.

PROJECT CHILLIA

Mrs.M. Prameela M.Tech

Assistant professor

HEAD OF THE DEPARTMENT

Dr. M.Sreedevi M.Tech Ph. D

unrita Sai Institute of Science & Technolos Amrita Sai Nagar, PARITALA (POI-52118

EXTERNAL EXAMINER THE ALCHE K-ISHOE C



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PARITALA, KRISHNA DISTRICT – 521 180 (A.P)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "DETECTION OF SUICIDE POSTS IN SOCIAL MEDIA" was successfully carried out by M. VYSHNAVI (19AJ1A0561), K. VENKATA SUBBA REDDY(19AJ1A0557), M. RAMYA SRI(19AJ1A0562), A. UDAY BHASKAR(19AJ1A0502) fulfilment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

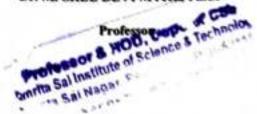
PROJECT GUIDE

Dr. G. Vijay Kumar M. Tech, Ph.D.

Professor

EXTERNAL EXAMINER

HEAD OF THE DEPARTMENT





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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Data Security using Cryptography and Steganography Techniques" was successfully carried out by K.SIRISHA (19AJ1A0556), K.DIVYA SOWMYA SREE (19AJ1A0551), K.VARUN MANGESH(19AJ1A0552), K.BALA KRISHNA (19AJ1A0542) fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GUIDE
Dr. M. SREE DEVI Ph.D.
Professor

EXTERNAL EXAMINER

HEAD OF THE DEPARTMENT

Dr. M. SREEDEVI Ph.D.

Amrita Sai Nagar, PARITALA (PO)-62118

Kannhikachest Mdl., Krishne &

AM AM

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)

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CERTIFICATE

This is to certify that the project entitled "Knowledge Transfer Generative Adverserial Network using Text to Image synthesis" was successfully carried out by R.N.P. BABI (19AJ1A0595), N.N.V. HARSHA VARDHINI (19AJ1A0575), K.V.SAI NIKHILESH REDDY (20AJ5A0502), R. NITIN (19AJ1A0592), fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GUIDE

Dr. P.Chiranjeevi, M.Tech, Ph.D.

Professor

HEAD OF THE DEPARTMENT

Dr. M. SREEDEVI, M. Toch Ph.D.

Professor & Head

Amrita Sal Institute of Science & Technology

Amrita Sal Nagar, PARITALA (PO)-52118

Kanchikachert, Midt. Krishou C

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

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DEPARTMENT

OF

COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Detection of cyber attack in network using machine learning techniques" was successfully carried out by N. ANUSHA (19AJ1A0577), D. SRIKANTH (20AJ5A0503), MD. AADIL (20AJ5A0504), SK. SHEHNAZ (19AJ1A05B1) fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GUIDE

CH. SOWJANYA. Asistant Professor HEAD OF THE DEPARTMENT

Dr. M. SREEDEVI, M. Tech, Ph. D Professor & Head

Amrita Sai Institute of Science & Technolog Amrita Sai Nagar, PARITALA (POI-52118 Kanchikachert Midt, Krishos D

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DEPARTMENT

OF

COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "PARKINSON'S DISEASE PREDICTION USING MACHINE LEARNING TECHNIQUE" was successfully carried out by V. GEETHA (19AJ1A05C2), N. JAYASRI (19AJ1A0574), N. SAI (19AJ1A05C8) SK.SALEEM PASHA (20AJ5A0505) fulfilment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GVIDE

Mr. V. PRASAD, M.TECH

HEAD OF THE DEPARTMENT

Dr. M. SREEDEVI, Ph. D

Professor & Head

Professor

EXTERNAL EXAMINER

borta Sal Institute of Science & Technolog Amrita Sal Nagar, PARITALA (PO)-52118 Kanchikachert Mdt. Krishna C AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)

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DPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "FLOOD PREDICTION USING MACHINE LEARNING" was successfully carried out by P. GAYATRI (19AJ1A0582), V.SAI JAHNAVI (19AJ1A05B8), V. SAI KRISHNA (19AJ1A05C1), P. ESWAR RAO (19AJ1A0588) fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INTITUTE OF SCIENCE AND TECHNOLOGY during academic year 2022-2023

PROJECT GUIDE

K. SUBHASH CHANDRA M. TECH

ASIST PROFESSOR

Amrita Sai Nagar, PARITALA (PO)-52118

Kanchikache Technolo, IK-ishna D.

Professor

Approved By AICTE, NEW DELHI; PERMANENTLY AFFLIATED TO JNTU, KAKINADA



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PARITALA, KRISHNA DISTRICT - 521 180 (A.P)

DEPARTMENT

OF

COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Crop recommendation system using machine learning" was successfully carried out by N. BHANUSRI (19AJ1A0576), SK. KHAJA MOHIDDIN PASHA (19AJ1A05A6), P.GOPALA KRISHNA (19AJ1A0587), SK. SAMEER (19AJ1A05A8), A. SUNITHA (19AJ1A05B2) fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GUIDE

Mr.E. Sateesh, M.Tech

Assistant Professor

Professors HOS LAP & CSL HEATS SHIPTHE BESERVE MENTOLOS Amrita Sal Nagar, PARI ALA (PO)-52118

Professor & Head



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PARITALA, KRISHNA DISTRICT – 521 180 (A.P)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "ECG BASED HEART BEAT CLASSIFICATION FOR ARRHYTHMIA DETECTION" was successfully carried out by G. PRAVALLIKA (19AJ1A0540), D. BHAVANI (19AJ1A0527), D. VENKATA PAVAN KUMAR(19AJ1A0525), B.SRIHARI NAYAK (19AJ1A0511) fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GVIDE

Mr. V. PRASAD

Assistant Professor

HEAD OF THE DEPARTMENT

Dr. M.SREEDEVI M.TECH.Ph.D.

Professor

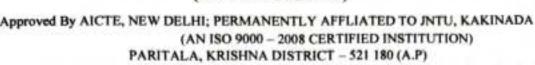
EXTERNAL EXAMINER

Amrita Sai Institute of Science & Technolog Amrita Sai Nagar Part A 4 (PO)-50118



AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY

(AUTONOMOUS)





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Amazon Product Sentiment Review Analysis with Machine Learning" was successfully carried out by G. NAVYA (19AJ1A0541), CH.SWATHI (19AJ1A0523), B. SIVA MANAS (19AJ1A0514), A. VISHNU VARDHAN (19AJ1A0508) fulfilment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GUIDE

Sri B. BALAJI M. Tech (Ph.D.)., Associate Professor

EXTERNAL EXAMINER

HEAD OF THE DEPARTMENT

onrita Sai Institute Science & Technolos Amrita Sai Nagar, PARITALA (PO)-52118 Manchikacheri Mich Kriches AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)

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DEPARTMENT

OF

COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Alzheimers classification using CNN pre-trained model VGG19" was successfully carried out by S.SANDEEP (19AJ1A05A1), V.SUNITHA (19AJ1A05C3), R.MONIKA(19AJ1A0593), Y.VAMSI KRISHNA (19AJ1A05C4), fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GUIDE

P.RAMESH BANK Tech

Associate Professor

HEAD OF THE DEPARTMENT

Dr.M.SREEDEVI Ph. D

Professor&Head
Professor&Hob, U-ep. of USt
Amrita Sai Institute of Science & Technolog
Amrita Sai Nagar, PARMALA (PO)-52116

EXTERNATEXAMINER anchikacher Mch. Krishne O.

Approved By NEW DELHI: PERMANENTLY AFFILIATED TO JNTU,
KAKINADA

(AN ISO 9000-2008 CERTIFIED INSTITUTION)
PARITALA, NTR- 521 180(A.P)

DEPARTMENT
OF
COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Fake Profile Identification in Social Network Using Machine Learning" was successfully carried out by G PUSHKAR (19AJ1A0534), K SAHITHI (19AJ1A0547), K V K RAM MOHAN (19AJ1A0549) fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023

PROJECT GUIDE MR E SATEESH M-TECH

Assist Professor

HEAD OF THE DEPARTMENT
Dr M SREE DEVI Ph. D
Professor

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)

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COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "INTELLIGENT ALERT SYSTEM FOR DRIVER DROWSINESS DETECTION" was successfully carried out by V.KARTHIK REDDY (19AJ1A05B9), P.NAGA KARTHIK (19AJ1A0589), P.PAVAN KALYAN(19AJ1A0578), P.ANURADHA(19AJ1A0584), P.BHOOMIKA(19AJ1A0586) fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GUIDE

E. Sateesh, M.Tech Assistant professor Amrita Sai Magar, Parris EX PO)-52118

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "HYPERSPECTRAL IMAGE CLASSIFICATION USING TRAINING SAMPLE AUGMENTATION WITH GENERATIVE ADVERSARIAL NETWORKS" was successfully carried S.YASWANTH(19AJ1A05A2), out by R.SIVA TEJA(19AJ1A0594), M.LALITHA(19AJ1A0567), S.LOKESH (19AJ1A0599), fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GUIDE

Mr. B. Balaji, M. Tech, (Ph.D)

HEAD OF THE DEPARTMENT

Professor & HOU, bad WASTREBOWN MI Tech Phy P Amrita Sal Nagar, BART-ALA IBidi-2

Kanchinaches Mel

EXAMINER

(Affiliatedto Jawaharlal Nehru Technological University, Kakinada & Accredited by NAAC 'A' Grade) Paritala, Kanchikacherla (Md), Krishna (Dt) - 521 180 DEPARTMENTOF COMPUTER SCIENCE ANDENGINEERING



CRTIFICATE

This is to certify that the Project Entitled " Detection Of Malicious Websites Using Machine Learning "Was Sucessfully carriedout by K.Lekhasri(19AJ1A0553), P.Alekhya Syamala (19AJ1A0504), A.Pramod (19AJ1A0505), B.Akash (19AJ1A0520) fulfillment for the award of The Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING AMRITASAL INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

Dr. P. CHIRANTEEN Ph.D.

Professor

HEAD OF DEPARTMENT

Dr. M. SREEDEVI Ph.D.

Professor

IGNATURE

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PARITALA, KRISHNA DISTRICT – 521 180 (A.P)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Radio Frequency Identification Based Attendance System Using Node MCU" was successfully carried out by K.MANASA (19AJ1A0550), B.SRIKALA (19AJ1A0521), K.PAVAN CHANDU (19AJ1A0548), G.RISHI MADHUR (19AJ1A0532) fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT CUIDE

Mrs. M. PRAMEELA M.Tech Assistant Professor H. h Seen

HEAD OF THE DEPARTMENT
Professor & HOD, Gep. of CSt
Britishsketiblevi School indechnolo,
Amrita Sal Nagarskat Mala (PO)-62118
Kanchikacheri Mith Krishna C

Approved By AICTE, NEW DELHI; PERMANENTLY AFFLIATED TO JNTU, KAKINADA

(AN ISO 9000 – 2008 CERTIFIED INSTITUTION)

PARITALA, KRISHNA DISTRICT – 521 180 (A.P)

DEPARTEMENT

OF

COMPUTER SCIENCE AND ENGINNERING



CERTIFICATE

This is to certify that the project entitled "TO BUILD A VIRTUAL ASSISTANT FOR WINDOWS BY USING ARTIFICIAL INTELLIGENCE" was successfully carried out by K. MEGHANA PRASANNA NAGA VENKATA LAKSHMI SAI (19AJ1A0546), M.N.V PRAVEEN KUMAR (19AJ1A0565), K. PAVAN (19AJ1A0544), A.Y. CHARY (19AJ1A0506) fulfilment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GUIDE

Sri. B. BALAJI M. Tech (Ph. D)

Associate Professor

HEAD OF THE DEPARTMENT

annita Sai Institute of Science & Technolos Amrita Sai Nagar Pagar ALA (PO)-52118 Kanchikacheri: Mdl., Krishos D.

(Affiliated to Jawaharlal Nehru Technological University, Kukinada & Accredited by NAAC 'A' Grade) Paritala, Kanchikacherla (Md), Krishna (Dt) - 521 180

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

Certified this is a bonafide record of the Thesis work entitled, POWER LIFTING ANAYLASIS USING MACHINE LEARNING done by D. GOPI (19AJ1A0528), B.VINAY KUMAR REDDY (19AJ1A0519), K. PRASANNA (19AJ1A0545), K. POLU RAJU (19AJ1A0555) submitted to the faculty of Computer Science Engineering, in partial fulfilment of the requirements for the Degree of BACHELOROF TECHNOLOGY with specialization with COMPUTER SCIENCE AND ENGINEERING from Jawaharlal Nehru Technological University Kakinada.

Under the Guidence of

Dr. G.VIJAY KUMAR (Ph.D) Professor

Head of the Department Dr. M. SREE DEVI M. Tech (Ph.D)

Professor

Professor & HOD, Dept of CI enrita Sai Institute of Science & Technol Amrita Sai Nagar, PARITALA (PO)-52118 Kanchikachert- Mot., Krishna D.

EXAMINAR

Approved By AICTE, NEW DELHI; PERMANENTLY AFFILIATED TO JNTU, KAKINADA (AN ISO 9000 – 2008 CERTIFIED INSTITUTION)

PARITALA, KRISHNA DISTRICT – 521 180 (A.P)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "A HEALTHCARE MONITORING SYSTEM FOR DIAGNOSIS OF HEART DISEASE IN THE IOMT CLOUD ENVIRONMENT" was successfully carried out by CH.SIVATHMIKA (19AJ1A0522), K.KUSUMA(19AJ1A0554), G.GURU VISHNU VARDHAN (19AJ1A0539), D.SANDEEP KUMAR(19AJ1A0524) fulfillment for the award of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING By AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECTATE DE
MR P.RAMESH BABU M.TECH
ASSOCIATE PROFESSOR

DYM SRINING VI STENCE & Technology PROFESSOR & HEAD LA POI-52118

Approved By AICTE, NEW DELHI; PERMANENTLY AFFLIATED TO JNTU

KAKINADA

(AN ISO 9000-2008 CERTIFIED INSTITUTION) PARITALA, NTR DISTRICT-521 180(A.P)



DEPARTMENT

OF

COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "DATA ANALYSIS OF BIG MART SALES USING MACHINE LEARNING ALGORITHMS "was successfully carryout by B.TRIVENI(19AJ1A0512), B.RAKESH(19AJ1A0513), B.ROHITHREDDY(19AJ1A0 517),A.DHANUSHA(19AJ1A0507)fulfilment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year

2019-2023. PROJECT GUIDE

DR.M. SREEDEVI PhD

Professor&head of the department

mrita Sai Institute of Science & Technolo.

Profesta addedenor the department -52118

Kanchikaches Mich

LEXAMINER

Approved By AICTE, NEW DELHI; PERMANENTLY AFFLIATED TO JNTU

KAKINADA

(AN ISO 9000-2008 CERTIFIED INSTITUTION)

PARITALA, NTR DISTRICT-521 180(A.P)



DEPARTMENT

OF

COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "MISSING CHILDIDENTIFICATION SYSTEM USING DEEPLEARNING AND MULTICLASS SVM" was successfully carriedoutbyG.RAKESH(19AJ1A0531),K.SAIVINEELA(19AJ1A0543),A.NAGATHIR UMALAREDDY(19AJ1A0509),L.HYMAVATHI(19AJ1A0559) fulfilment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2019-2023.

PROJECT GUIDE

Mr K. SUBHASH CHANDRA MTech

Assistant Professor

HEAD OF DEPARTMENT

Professor & HOD, Crep. of CSt Dentil Serente Mill Strence & Technolog Amrita Sal Nagar, PARITALA (PO)-52118 Tanghi Professor Midt. Krishos D

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)

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DEPARTMENT

OF

COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Blockchain-based Management for Organ Donation and Transplantation" was successfully carried out by T. DEEPTHI (19AJ1A05B5), K. SUPRIYA (20AJ5A0501), P. SASI KIRAN (19AJ1A0591), SK.RIYAZ (19AJ1A0597), fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GUIDE

Sri B. BALAJI M.Tech, Ph.D.

Associate Professor

HEAD OF THE DEPARTMENT

Dr. M. SREEDEVI M. Tech, PhD

Professor

EXTERNAL EXAMINER

anrita Sai Institute of Science & Technolos Amrita Sai Nagar, PARITALA (PO)-52118

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Paritala, Kanchikacherla (Md), Krishna (Dt) - 521 180

DEPARTMENT OF COMPUTER SCINCE AND ENGINEERING



CERTIFICATE

Certified this is a bonafide record of the Thesis work entitled, "WEB BASED RIDE SHARING APPLICATION MOTORPOOLIN", done by M.RAHUL (19AJ1A0560), A. SAI SANDEEP (19AJ1A0503), A.ZAHEER (19AJ1A0501), M.BHANU PRASAD (19AJ1A0564) submitted to the faculty of Computer Science Engineering, in partial fulfilment of the requirements for the Degree of BACHELOR OF TECHNOLOGY with specialization with COMPUTER SCIENCE AND ENGINEERING from Jawaharlal Nehru Technological University Kakinada.

ROJECT GUIDE

Dr. P CHINRANJEEVI Ph.D.

Professor & Head

Head of the Department
Dr. M SREEDEVI Ph.D

Professor

Amrita Sal Institute of Science & Technolog Amrita Sal Nagar, PARMALA (PO)-52118 Vanchikachert Mrtt., Krishos D

EXTERNAL EXAMINAD

(Affiliated to Jawaharlal Nehru Technological University, Kakinada & Accredited by NAAC 'A' Grade)

Paritala, Kanchikacherla (Md), Krishna (Dt) - 521 180



DEPARTMENT OF COMPUTER SCINCE AND ENGINEERING



CERTIFICATE

Certified this is a bonafide record of the Thesis work entitled, "ANALYZING AND VISUALYZING THE DATA USING STATISTICAL METHODS FOR VARIOUS ORGANISATIONS", done by D. MANOJ (19AJ1A0526), D. MADHURI (19AJ1A0529), L. PUSHPAHASA (19AJ1A0558), G. VENKATESH (19AJ1A0533) submitted to the faculty of Computer Science Engineering, in partial fulfilment of the requirements for the Degree of BACHELOR OF TECHNOLOGY with specialization with COMPUTER SCIENCE AND ENGINEERING from Jawaharlal Nehru Technological University Kakinada.

ROJECT GUIDE CH. SOWJANYA Asst.Professor

(AUTONOMOUS)

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PARITALA, KRISHNA DISTRICT – 521 180 (A.P.)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



<u>CERTIFICATE</u>

This is to certify that the project entitled "FACE MASK DETECTION BY USING CONVOLUTIONAL NEURAL NETWORKS" was successfully carried out by R.SAI DEEPIKA (19AJ1A0596), S.VENKATESH (19AJ1A0598), Y.NAVEEN (19AJ1A05C6), T.MALLESWARI (19AJ1A05B4), fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during

the academic year 2022-2023.

PROJECT GUIDE

Dr.M.SREEDEVI Professor HEAD OF THE DEPARTMENT

Dr.M.SREEDEVI Professor

EXTERNAL EXAMINER

mrita Sai Nagar PLRITALA (PO)-52118

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)

Approved By AICTE, NEW DELHI; PERMANENTLY AFFILIATED TO JNTU, KAKINADA (AN ISO 9000-2008 CERTIFIED INSTITUTIONS) PARTIAL, KRISHNA DISTRICT-521180(A.P)





DEPARTMENT OF

COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "SIGN LANGUAGE RECOGNITION successfully LEARNING" was carried USING DEEP U.DEVI(19AJ1A05B7), Y.MOUNIKA(19AJ1A05C7), P.UMA MAHESHWARA RAO(19AJ1A0579),M.VIJAY(19AJ1A0568),V.VYSHNAVIKRISHNA(19AJ1A0 5C0) fulfilment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

Head of the Department

Mr.K.SUBHASH CHANDRA M. tech

Asst.Professor

unrita Sai Institutes Scrippoppa Technolog Amrita Sai Nagar PARITAL A (PO)-52118

L EXAMINER



AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)

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(AN ISO 9000 - 2008 CERTIFIED INSTITUTION) PARITALA, KRISHNA DISTRICT - 521 180 (A.P)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "HOSPITAL MANAGEMENT SYSTEM USING ERP SOFTWARE" was successfully carried out by MOGAL YASMEEN (19AJ1A0570), POTURI LAKSHMI ANANDA SATVIKA (19AJ1A0590), SHAIK RAHEEMA (19AJ1A05A7), MOHAMMAD SHAHUL ALI (19A1A0571) fulfilment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

Mrs. M. Prameela

Assistant Professor

MARKEDE WIPPH Dechnolog Angel Professor & Head

EXTERNAL EXAMINER

AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)

proved By AICTE, NEW DELHI; PERMANENTLY AFFLIATED TO INTU, KAKINADA (AN ISO 9000 – 2008 CERTIFIED INSTITUTION)
PARITALA, KRISHNA DISTRICT – 521 180 (A.P.)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Health Diagnosis by using machine learning Algorithm" was successfully carried out by P.ANIL KUMAR REDDY (19AJ1A0580), Sk. SHAHEEN (19AJ1A05A9), Sk. JANI BASHA (19AJ1A05A5), T. VENKATA GOWTHAMI (19AJ1A05B6) fulfillment for the award of the Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2021-2022.

PROJECT GUIDE Dr G. VIJAY KUMAR (Ph.D)

Professor

EXTERNAL EXAMINER

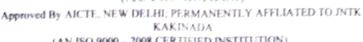
HEAD OF THE DEPARTMENT

HEAD O



AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)





(AN ISO 9000 - 2008 CERTIFIED INSTITUTION) PARITALA, KRISHNA DISTRICT - 521 180 (A.P)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project entitled "battery management system in hybrid vehicle" was successfully carried out by N.JAYA SREE(20AJ5A0218), U.VENKATA DURGA RAO(20AJ5A0226), K.MANIKANTA SAI(20AJ5A0224), J.S R R DUSHYANTH KUMAR(19AJ1A0206) . fulfillment for the award of the AND ELECTRONICS Bachelor of Technology in ELECTRICAL OF SCIENCE AND ENGINEERING by AMRITASAI INSTITUTE TECHNOLOGY, PARITALA during the academic year 2022-2023.

CUIDE SRI B. GOPI, (MTech).

Assistant professor

AFFERS Sal II SRI CH. CHINNA (PEERALAH METALAH METAL

Assistant professor

(AUTONOMOUS)

Approved By AICTE, NEW DELHI; PERMANENTLY AFFLIATED TO JNTU, KAKINADA (AN ISO 9000 – 2008 CERTIFIED INSTITUTION) PARITALA, KRISHNA DISTRICT – 521 180 (A.P)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project entitled "POWER SAVING SOLAR STREET LIGHTS" was successfully carried out by K. ROHINI (20AJ5A0215), P. BHANUSREE (19AJ1A0211), G. RAJU (20AJ5A0210), K.RAJ KUMAR (19AJ1A0208). fulfillment for the award of the Bachelor of Technology in ELECTRICAL AND ELECTRONICS ENGINEERING by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2018-2022.

Smt. B. NAGAMANI M. Tech Asst Professor

Electrical & Figure Cs Engineering

HEAD OF THE DEPARTMENT

SRI CH. CHINNA VEERAIAH M. Tech. LMISTE, (Ph. D) Associate Professor

EXTERNAL EXAMINER (18/2)

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)

Approved By AICTE, NEW DELHI; PERMANENTLY AFFLIATED TO JNTU, KAKINADA



(AN ISO 9000 ~ 2008 CERTIFIED INSTITUTION)
PARITALA, KRISHNA DISTRICT ~ 521 180 (A.P)



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Solar-Wind Hybrid Energy Generation System" was successfully carried out by A. BABU (20AJ5A0201), P. BHANU PRAKASH (20AJ5A0221), B. VAMSI (20AJ5A0232), I.VIJAYA LAKSHMI (20AJ5A0212). Fulfilment for the award of the Bachelor of Technology in ELECTRICAL AND ELECTRONICS ENGINEERING by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2019-2023.

PROJECT GUIDE

Mr. K. SABARINATH M. Tech

Assistant Professor

HEAD OF THE DEPARTMENT Techno.

SRICH. CHINNA VEERALAH M. Tech MISTE, Ph. D.)

Associate Professor

EXTERNAL EXAMINER

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)

Approved By AICTE, NEW DELHI, PERMANENTLY AFFLIATED TO JNTU, KAKINADA (AN ISO 9000 – 2008 CERTIFIED INSTITUTION)

PARITALA, KRISHNA DISTRICT – 521 180 (A.P)



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Solar Power Generation Using Different Types of SolarPanels" was successfully carried out by K. NIKHIL SURYA (20AJ5A0214), G. GRACE KIRAN(20AJ5A0211), K. ESWAR (19AJ1A0207), G. ANURAG BABU (20AJ5A0230). Fulfillment for the award of the Bachelor of Technology in ELECTRICAL AND ELECTRONICS ENGINEERING by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2019-2023.

PROJECT GUIDE

MR. P. VENKATESWARA RAO.M. Tech

Assistant Professor

SRI CH. CHINNA VEERAIAH M. Tech. MISTE (PHO)
Associate Professor

CA Boga seri lalyan
EXTERNAL EXAMINER
15/8/23



AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)





DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Hybrid Energy Generation System" was successfully carried out by P. SAMPATH KUMAR (20AJ5A0222), Y. BHANU (20AJ5A0229), D.L. VIJAY VARMAN (19AJ1A0204), B. SANDHYA (20AJ5A0204), CH. HEMANTH(19AJIA0202). Fulfillment for the award of the Bachelor of Technology in ELECTRICAL AND ELECTRONICS ENGINEERING by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2019-2023.

PROJECT CHIDE

Smt. T. SUHASINI M. Tech

Assistant Professor

Medical & Eyecu in as Engineer.

HEAD OF THE DEPARTMENT Krishna (in

SRI CH. CHINNA VEERAIAH M.Tech, MISTE(Ph.D)

Associate Professor

EXTERNAL EXAMINER



AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)





DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Solar power generation by using hybrid inverter system" was successfully carried out by CH.SHANMATHI(20AJ5A0205), SK.ASIF BASHA (20AJ5A0223), N.PRAVEEN KUMAR (20AJ5A0236), T.VENKATA NAGA KALYAN (19AJ1A0214). fulfillment for the award of the Bachelor of Technology in ELECTRICAL AND ELECTRONICS ENGINEERING by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY. PARITALA during the academic year 2019-2023.

PROJECT GUIDE

SRI CH. CHINNA VEERAIAH M.Tech.LMISTE.(Ph.D)
Associate Professor

HEAD OF THE DEPARTMENT gineering

SRI CH. CHINNA VEERAIAH unadvisseemolog

EXTERNAL EXAMINER

AMRITASAIINSTITUTEOFSCIENCEANDTECHNOLOGY (AUTONOMOUS)



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JNTU, KAKINADA(AN ISO9000–2008CERTIFIEDINSTITUTION)

PARITALA, KRISHNA DISTRICT–521180(A.P)

DEPARTMENT OF ELECTRICALANDELECTRONICSENGINEERING



CERTIFICATE

This is to certify that the project entitled "Smart Street light system with energy saving function based on the sensor network" was successfully carried out by K.USHA RANI(20AJ5A0233),S.SIVA(20AJ5A0225),CH.SAIVINAY(20AJ5A0231),N.PRASANTH (20AJ5A0217)Fulfillment for the award of the Bachelor of Technology in ELECTRICAL AND ELECTRONICS ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECTGUIDE

Smt. T SUHASINI M Tech. Assistant Professor TIEADOFTHEDEPARTMENTING

SRI CH. CHINNAVEERAIAH M. Tech LIMISTER P. D. Jahran C.

Associate Professor

EXTERNAL EXAMINER 15/8/23.

AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS) Approved By AICTE, NEW DELHI; PERMANENTLY AFFLIATED TO JNTU, KAKINADA

(AN ISO 9000 - 2008 CERTIFIED INSTITUTION) PARITALA, KRISHNA DISTRICT – 521 180 (A.P.)

DEPARTMENT ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project entitled "SMART STREET LIGHTING USING SOLAR ENERGY" was successfully carried out by K. VINNI (20AJ5A0213), A. BALA SEETA RAMI REDDY (20AJ5A0202), G. AMANI LAKSHMI PRASANNA (20AJ5A0208). fulfillment for the award of the Bachelor of Technology in ELECTRICAL AND ELECTRONICS ENGINEERING by AMRITASAI INSTITUTE OFSCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

PROJECT GUIDE

MR. B. GOPI, M.Tech. Assistant Professor SRICH, CHINNA VEERAIAH M Technology Associate Professor

EXTERNAL EXAMINER



AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Smart Street light system with energy saving function based on the sensor network" was successfully carried out by MD. FIROOJ (19AJ1A0210), R. DIWAKAR NAIK (19AJ1A0213), B. RAKESH RITHVIK (20AJ5A0203), G. VAMSIKUMAR (20AJ5A0209). Fulfillment for the award of the Bachelor of Technology in ELECTRICAL AND ELECTRONICS ENGINEERING by AMRITASAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2019-2023.

GUIDE

SRI B. GOPI, M. Tech

Assistant Professor

HEAD OF THE DEPARTMENTISHED

SRI CH. CHINNA VEERAIAH M. Tech, MISTE, (Ph.D.)

Associate Professor



(AUTONOMOUS)





DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the project entitled "DESIGN&CONTROL OF BOOST CONVERTER FOR SOLAR FED E-VEHICLE" was successfully carried out By D. GOPINADH (20AJ5A0207), V. RAVINDRA BABU (20AJ5A0228), M. HARISH (19AJ1A0209), B. VIVEK (19AJ1A0201). Fulfillment for the award of the Bachelor of Technology in ELECTRICAL AND ELECTRONICS **ENGINEERING** by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2019-2023.

SRI.CH.CHINNA VEERAIAH, M. TECH, MISTE, (Ph.D.) Associate Professor

Associate Professor

SRI.CH. CHINNA VEERAIAH, M. TECH MISTE ON PANDA (DI

AMRETA SAFINSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)

Approved by AICTE, New Delhi & Permanently Affiliated to JNTU, Kakinada Recognized by UGC Under 2(f) and 12(B) of 1956 Acts.

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

CERTIFICATE

This is to certify that the project report entitled "FABRICATION OF FIRE EXTINGUISHER ROBOT" is the bonafide record of work done by CHIKATAPU RAVI TEJA (20AJ5A0306), PATAPURAM BHARATH (20AJ5A0315), TADAPANENI LAKSHMI NARAYANA (19AJ1A0331), VARADHABOINA GOPI CHAND (19AJ1A0337), KONDETI SIVA SAI GOPAL (20AJ5A0317) who carried out the project work under our guidance and supervision and submitted in partial fulfillment of requirements for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA.

Sri. B. PRANEETH
Project Supervisor
Department of Mechanical Engineering

Department of Mechanical Engineering

External Examination

AMRITA SALINSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)

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Amrita Sai Nagar, Paritala, Kanchikacherla (MD), NTR(DT), AndhraPradesh-521180

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "THERMAL ANALYSIS ON ETHYLENE GLYCOL BY ADDING NANO PARTICLES PASSING THROUGH A CONDENSOR TUBE" is the bonafide record of work done by P. GANESH KUMAR (19AJ1A0324), A. PAVAN KARTHIK (20AJ5A0301), G. SIVA KOTI ACHYUTH (19AJ1A0309), SHAIK. MD. JAVEED (19AJ1A0328), SHAIK. ABDUL (19AJ1A0326) who carried out the project work under our guidance and supervision and submitted in partial fulfillment of requirements for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA.

External l

Sri. N. RAMA KRISHNA
Project Supervisor
Department of Mechanical Engineering

Section of the Department Department of the Country of the Country

(AUTONOMOUS)

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Amrita Sai Nagar, Paritala, Kanchikacherla (MD), NTR(DT), AndhraPradesh-521180

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled FABRICATION OF COMBINED WIND MILL WITH SOLAR POWER "is the bonafide record of work done by B. SAI KUMAR (20AJ5A0304) G. VENUGOPAL (19AJ1A0310) U. NAVEEN (19AJ1A0335) D. SRINDH (19AJ1A0308) J. SIDDHARDHA (19AJ1A0312) who carried out the project work under our guidance and supervision and submitted in partial fulfillment of requirements for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICALENGINEERING by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA.

Sri. K. KHRAN KUMAR Project Supervisor

Department of Mechanical Engineering

Mochanicae & Nepartment
Department of Nechanical Engineering

External Smithey

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DEPARTMENTOFMECHANICALENGINEERING



CERTIFICATE

This is to certify that this mainproject report entitled "PNEUMATIC AIR ENGINE" is bonafide record of work done byB.NAGA CHAITANYAKUMAR(20AJ5A0303), K. DEELIP(19AJ1A0314), T. BHANUTEJA (19AJ1A0333),A.AKHIL (19AJ1A0302), SK.KABEER (19AJ1A0327) whocarriedoutthemainproject workunder ourguidanceandsupervisionand submitted inpartial fulfillment of requirements for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA.

Sri. ABDUL FIROZ

ProjectSupervisor

DepartmentofMechanicalEngineering

Change Periment

Department of Mechanical Engineering

ExternalExamile

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "EXPERIMENTAL INVESTIGATION ON DOMESTIC REFRIGERATOR WITH NOZZLE AND DIFFUSSER AT INLETS OF COMPRESSOR AND CONDENSER" is the bonafide record of work done by A. VENKATESH REDDY (20AJ5A0302), SK. MOHAMMAD RAFI (19AJ1A0329), V.NARASIMHA SWAMY (19AJ1A0340), P. NAGA RAJU (19AJ1A0323), U.SAI PRANEETH (19AJ1A0336), Y. PRADEEP REDDY (19AJ1A0305). who carried out the project work under our guidance and supervision and submitted in partial fulfillment of requirements for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA.

Brairon

Sri. B. SAI RAM KRISHNA
Project Supervisor
Department of Mechanical Engineering

Machine of Mechanical Engineering

EXTERNALEXAMINER

AMRIEA SALINSTITUTE OF SCIENCE AND TECHNOLOGY

(AUTONOMOUS)

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Amrita Sai Nagar, Paritala, Kanchikacherla (MD), NTR (DT), AndhraPradesh-521180

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "FABRICATION OF PNEUMATIC FLOOD PROTECTION SYSTEM FOR HOME" is the bona-fide record of work done by N. SAIKRISHNA (20AJ5A0309), T. KANAKA DURGA VARA PRASAD (19AJ1A0332), P.NAGARAJU (19AJ1A0322), T. NAVEEN (20AJ5A0313), K. VENKATESH (20AJ5A0316) who carried out the project work under our guidance and supervision and submitted in partial fulfilment of requirements for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA.

Sri. B. RAMA KRISHNA

Project Supervisor
Department of Mechanical Engineering

Department of Mechanical Engineering

External Examiner

AMRITA SALINSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "PERFORMANCE ANALYSIS ON VAPOUR COMPRESSION REFRIGERATION SYSTEM BY USING SOLAR ENERGY WITH AND WITHOUT DIFFUSER AND NOZZLE" is the bonafide record of work done by C. SREENIVASULU (20AJ5A0305), G. RAVINDRA (19AJ1A0311), T. RAMPRASAD (19AJ1A0334), P. GOPICHAND (19AJ1A0321), K. TRINADH (19AJ1A0316) who carried out the project work under our guidance and supervision and submitted in partial fulfillment of requirements for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA.

Sri. SK. MOULALI

Project Supervisor

Department of Mechanical Engineering

Sri. B. PRANEETH

Head of the Department

Mentantial Profesering

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Amrita Sai Nagar, Paritala, Kanchikacherla (MD), NTR(DT), AndhraPradesh-521180

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "PERFORMANCE AND EMISSION ANALYSIS OF DIESEL ENGINE BY USING WASTE COOKING OIL" is the bonafide record of work done by M. GOWRI SANKAR (20AJ5A0308), K. ASHOK KUMAR (19AJ1A0313), M. MANIKANTA (19AJ1A0319), V. BHANU TEJA (19AJ1A0339), A. RAJESH (19AJ1A0301), who carried out the project work under our guidance and supervision and submitted in partial fulfillment of requirements for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA.

Department of Mechanical Engineering

Department of Mechanical Engineering

External Examin

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

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www.amritasai.edu.in, Phone: 0866 2428399.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the Project work entitled "DESIGN AND FABRICATION OF SOLAR GRASS CUTTER WITH BLUETOOTH" is the bonafide record of work done by M. VENKATA SRINIVAS TAGORE (19AJ1A0318), E. HEMANTH KUMAR (20AJ5A0307), K. SAI KUMAR (19AJ1A0315), V. VENKATA JAYANTH (19AJ1A0338), B. RAJESH (19AJ1A0304), who carried out the project work under our guidance and supervision and submitted in partial fulfillment of requirements for the award of the degree of BACHELOR OF TECHONOLOGY in MECHANICAL ENGINEERING by JAWAHARLAL NEHRU TECHONOLOGICAL UNIVERSITY, KAKINADA

Sri. N. RAMA KRISHNA Project Supervisor

EXTERNAL EXAMER

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "PRODUCTION OF BIO DIESEL BY WASTE COOKING OIL AND PROPERTIES OF DIFFERENT BIO DIESEL BLENDS" is the bonafide record of work done by SHAIK. CHANDUSHA (20AJ5A0312), BAAG. ANIL (19AJ1A0303), NAMALA. RAKESH (19AJ1A0320), R. VENKATESWARA RAO (20AJ5A0310), who carried out the project work under our guidance and supervision and submitted in partial fulfillment of requirements for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY.

External

Sri. DR. T. ELANGO

KAKINADA.

Project Supervisor Department of Mechanical Engineering

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "FABRICATION OF PNEUMATIC SHEET METAL CUTTING AND PUNCHING MACHINE" is the bonafide record of work done by S. GOWRI SANKARA RAO (20AJ5A0311), K. V. SAI KUMAR (20AJ5A0314), M. SRINIVASA RAO (20AJ5A0318), Y. NAVEEN (19AJ1A0342), P. VIJAY KUMAR (19AJ1A0325) who carried out the project work under our guidance and supervision and submitted in partial fulfillment of requirements for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA.

Sri. T. Gopal rao Project Supervisor

Department of Mechanical Engineering

Backenical Department

External Column

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "HEART DISEASE PREDICTION USING MACHINE LEARNING", is being submitted by PRATHYUSHA AMMISETTY(20AJ1D5801). In partial fulfilment for the award of the Degree of MASTER OF TECHNOLOGY in Computer Science and Engineering to the Amrita Sai Institute of Science and Technology. 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.

Signature of the Guide

Signature of the HOD

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (2020 – 2022)



CERTIFICATE

This is to certify that the project report entitled "Agricultural Data Analysis Using Machine Learning", is being submitted by Appa Rao Bobbili (20AJ1D5802) in partial fulfillment for the award of the Degree of MASTER OF TECHNOLOGY in Computer Science and Engineering to the Amrita Sai Institute of Science and Technology. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

signature of the Guide

Signature of the HOD

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "E-VOTING SYSTEM USING BLOCK CHAIN", is being submitted by BOMMISETTI TRIVENI (20AJ1D5803). In partial fulfilment for the award of the Degree of MASTER OF TECHNOLOGY in Computer Science and Engineering to the Amrita Sai Institute of Science and Technology. 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.

Signature of the Guide

Signature of the HOD

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that this project report titled "A Hierarchical Fused Fuzzy Deep Neural Network for Data Classification" is a bonafide record of work done by CH. PRABHAVATHI (20AJID5804) under my guidance and supervision is submitted in partial fulfillment of the requirements for the award of the degree of Department of Computer Science and Engineering, AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY during the year 2020-2022.

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.

Signature of the Guide

Signature of the HOD

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "FAKE NEWS DETECTION USING MACHINE LEARNING", is being submitted by

Hemanth kumar Nandigam

20AJ1D5805

In partial fulfilment for the award of the Degree of MASTER OF TECHNOLOGY in Computer Science and Engineering to the Amritasai institute of science and technology.

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.

Signature of the Guide

Signature of the HOD

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



This is to certify that the project report entitled "Identification of Bird Species Using CNN", is being submitted by PRANAY TEJA SOMOJU(20AJ1D5806).In partial fulfilment for the award of the Degree of MASTER OF TECHNOLOGY in Computer Science and Engineering to the Amrita Sai Institute of Science and Technology. 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.

Signature of the Guide

Signature of the HOD

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



This is to certify that the project report entitled "BRAIN TUMOR IDENTIFICATION USING CONVOLUTIONAL NEURAL NETWORK", is

being submitted by VAMSI KRISHNA YALAMANCHILI (20AJ1D5807).

In partial fulfilment for the award of the Degree of MASTER OF TECHNOLOGY in Computer Science and Engineering to the Amrita Sai Institute of Science and Technology. 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.

Signature of the Guide

Signature of the HOD

(AUTONOMOUS)

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Paritala, Kanchikacherla, Krishna Dist, Andhra Pradesh- 521180.
www.amritasai.edu.in, Phone: 0866 2428399.



CERTIFICATE

This is to certify that the project report entitled "FAST BINARY COUNTERS AND COMPRESSORS GENERATED BY SORTING NETWORK" that is being submitted by PAMIDI SRAVANI(20AJ1D6810) in partial fulfillment for the award of the Master of Technology in VLSI& EMBEDDED SYSTEMS to the Amrita Sai Institute of Science and Technology (AUTONOMOUS) is a record of Bonafede work carried by her 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.

Mr. B. Ramarao'

Head of Department, ECE

Smt. Latha G M.Tech, Asst Professo Internal Guide

External Examiner

(AUTONOMOUS)

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www.amritasai.edu.in, Phone: 0866 2428399.



CERTIFICATE

This is to certify that the project report entitled "LOW POWER VLSI DESIGN OF 4-2 COMPRESSORS BASED ON THE COMPENSATION CHARACTERISTIC" that is being submitted by SHAIK SHAFEE (20AJ1D6809) in partial fulfillment for the award of the Master of Technology in VLSI & Embedded System Design to the Amrita Sai Institute of Science and Technology (AUTONOMOUS) is a record of bonafide work carried by him 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.

Mr. B. Ramaraò

M.Tech, (Ph.D)
Head of Department, ECE

Dr. D. HEMA
M.Tech, (Ph.D)
Internal Guide

(AUTONOMOUS)

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CERTIFICATE

This is to certify that the project report entitled "constant current fuzzy logic controller for grid connected electric vehicle charging" that is being submitted by G. MALLIKA (20AJ1D6811) in partial fulfillment for the award of the Master of Technology in VLSI AND EMBEDDED SYSTEM to the Amrita Sai Institute of Science and Technology (AUTONOMOUS) is a record of bonafide work carried by him/her 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.

Mr. B. Ramarao

M.Tech, (Ph.D)

Head of Department, ECE

Dr. Samiran Chatterjee

(Ph.D, MIET)

Internal Guide

External Examiner

(AUTONOMOUS)

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Paritala, Kanchikacherla, Krishna Dist, Andhra Pradesh- 521180.
www.amritasai.edu.in, Phone: 0866 2428399.



CERTIFICATE

This is to certify that the project report entitled "TWO STAGE OTA WITH ALL SUBTRESHOLD MOSFETS AND OPTIMUM GBW to DC CURRENT RATIO" that is being submitted by CH.TEJA (20AJ1D6801) in partial fulfillment for the award of the Master of Technology in VLSI AND EMBEDDED SYSTEM DESIGN to the Amrita Sai Institute of Science and Technology (AUTONOMOUS) is a record of bonafide work carried by him/her 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.

Mr. B. Ramarao

M.Tech, (Ph.D)

Head of Department, ECE

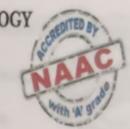
K.Chandra Rao

M.Tech Internal Guide

External Examiner

(AUTONOMOUS)

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CERTIFICATE

This is to certify that the project entitled "FPGA Implementation of High Speed 64-bit Data Width True Random Number Generator Using Clock Managers and Metastability" that is being submitted by MANUSHA PINNAMANENI in partial fulfillment for the award of the Master of Technology in VLSI AND EMBEDDED SYSTEM DESIGN to the Amrita Sai Institute of Science and Technology (AUTONOMOUS) is a record of bonafide work carried by him/her 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.

Dr. V. Ramesh Babu- Ph.D., M. Tech

Head of Department, ECE

Dr. D. Hema-Ph.D., M.Tech

Internal Guide

EXTERNAL EXAMINAR

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY **AUTONOMOUS**

Permanently (Affiliated to Jawaharlal Nehru Technological University, Kakinada) Paritala, Kanchikacherla (Md), Krishna (Dt) -521180 www.amritasai.edu.in

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certify that this thesis entitled "Router in Bi-Network on Chip with an Advanced FIFO Structure" is the bonafide record of work done by Mr. D SANKAR KUMAR (20AJ1D6802), who carried out the thesis work under our guidance and supervision and submitted in partial fulfilment of requirements for the award of the degree of MASTER OF TECHNOLOGY in VLSI & EMBEDDED SYSTEMS by JAWAHARLAL NEHRU

TECHNOLOGICAL UNIVERSITY-KAKINADA.

Dr. D. Dayakar Rao, M. TECH, Ph.D. GUIDE, Professor

Mr. v. RAMESH BABU, M. TECH, Ph.D.

Associate Professor & HOD

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY AUTONOMOUS

Permanently (Affiliated to Jawaharlal Nehru Technological University, Kakinada)
Paritala, Kanchikacherla (Md), Krishna (Dt) – 521 180

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



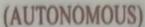
CERTIFICATE

This is to Certify that this thesis entitled "LOW-POWER RHBD 12T SRAM WITH MULTI-NODE UPSET RECOVERABILITY FOR AEROSPACE APPLICATIONS" is the bonafide record of work done by K.K. NASEEMA (20AJ1D6806), who carried out the thesis work under our guidance and supervision and submitted in partial fulfillment of requirements for the award of the degree of MASTER OF TECHNOLOGY in VLSI & EMBEDDED SYSTEMS by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY-KAKINADA.

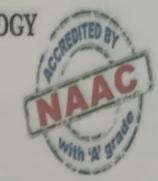
Mr.B.RAMARAO, M. Tech (Ph.D)
GUIDE, Associate Professor

Mr. V. RAMESH BABU, M. TECH, (Ph.D.)
Associate Professor & HOD

EXTERNAL EXAMINER



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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

This is to Certify that this thesis entitled "DESIGN AND VALIDATION OF REDUCED SWING COMPLEMENTARY PASS-TRANSISTOR LOGIC FULL ADDER IN 16 NM CMOS TECHNOLOGY" is the bonafide record of work done by Mr. R.Gowtham Raj (21AJ1D6802), who carried out the thesis work under my guidance and supervision and submitted in partial fulfillment of requirements for the award of the degree of MASTER OF TECHNOLOGY in VLSI & EMBEDDED SYSTEMS by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY

Dr. S. CHATTERJEE, Ph.D

GUIDE, Professor

Dr .V .KAMESH BABU, Ph.D

Professor & HOD

EXTERNAL EXAMINER

Department of Master of Computer Application AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY

(Autonomous)

(Approved by AICTE, New Delhi; Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade)

Paritala, Kanchikacherla (Md), Krishna District, AP - 521180 www.amritasai.edu.in, 0866-2428399

DEPARTMENT OF MASTER OF COMPUTER APPLICATION



CERTIFICATE

This is to certified that the Project report entitled "COMBATING COMMENT SPAM WITH MACHINE LEARNING APPROACHES" done by KETHABOINA Venkata Peddi Raju bearing H. T. No: 20AJ1F0011 submitted to the faculty of Master of Computer Application, in partial fulfilment of the requirement for the award of degree in MASTER OF COMPUTER APPLICATION from AMIRA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

Mr. P Arun Kumar Asst. Professor

Dr. P CHIRANJEEVI PHD Head of the Department, MCA

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (Autonomous)

(Approved by AICTE, New Delhi, Permanently affiliated to INTUK, Kakimada, An ISO 2009-2015 Certified Institution & Accredited by NAAC A Grader Paritala Kanchikacherla (Md), Krishna District, AP - 521180

DEPARTMENT OF MASTER OF COMPUTER APPLICATION



This is to certified that the Project report entitled

"THE CO QUOS APPROACH TO CONTINUOUS QURIES IN UNSTRUCTURED OVERLAYS" done to

Bekkam Mythili bearing H. T. No: 20AJ1F0004 submitted to the faculty of Master of Computer Application, in partial fulfilment the requirement for the award of degree in MASTER OF COMPUTER

APPLICATION from AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY.

KAKINADA is a record of the

candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

Mr K SUBHASH CHANDRA

Assistant professor

Head of Department, MCA

EXTERNAL EXAMINER

Department of Master of Computer Application

AMRITA SALINSTITUTE OF SCIENCE AND TECHNOLOGY

(Autonomous)

(Approved by AICTE, New Delhi, Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade) Paritala, Kanchikacherla (Md), Krishna District, AP - 521180 www.amritasai.edu.in, 0866-2428399

Department of

Master of Computer Application



Certificate

This is to certified that the Project report entitled "BIRD SPECIES IDENTIFICATION USING DEEP LEARNING IN PYTHON" done by Nalagarla Vijay bearing H. T. No. 20AJ1F0013 submitted to the faculty of Master of Computer Application, in partial fulfilment of the requirement for the award of degree in MASTER OF COMPUTER APPLICATION from AMIRA SAI

INSTITUTE OF SCIENCE AND TECHNOLOGY, JAWAHARLAL NEHRU

TECHNOLOGICAL UNIVERSITY KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

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Asst Professor

PL PETTRANJEEVI PHD

Head of the Department, MCA

(Autonomous)

(Approved by AICTE, New Delhi; Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade) Paritala, Kanchikacherla (Md). Krishna District, AP - 521180 www.amritasai.edu.in, 0866-2428399

DEPARTMENT OF MASTER OF COMPUTER APPLICATION



Certificate

This is to certified that the Project report entitled "ONLINE MEDICINE SEARCHING" done by AKULA GOPI bearing H. T. No: 20AJ1F0001 submitted to the faculty of Master of Computer Application, in partial fulfilment of the requirement for the award of degree in MASTER OF COMPUTER

APPLICATION from AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY. JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

RANJEEVI PHD

Head of the Department, MCA

Dr. P.CHIRANJEEVI PHD

Head of the Department, MCA

. Seini

AUAU - AUAA

Department of Master of Computer Application

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY

(Autonomous)

(Approved by AICTE, New Delhi; Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade)

Paritala, Kanchikacherla (Md), Krishna District, AP - 521180 www.amritasai.edu.in, 0866-2428399

DEPARTMENT OF MASTER OF COMPUTER APPLICATION



CERTIFICATE

This is to certified that the Project report entitled "STUDENT INFORMATION CHATBOT SYSTEM" done by Potnuri Durga Venkata Sai Krishna bearing H. T. No: 0AJ1F0016 submitted to the faculty of Master of Computer Application, in partial fulfilment of the requirement for the award of degree in MASTER OF COMPUTER APPLICATION from AMIRA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

Mr. P Ramesh Babu

Dr. P CHIRANJEEVI PHD Head of the Department, MCA

Department of Master of Computer Application

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY

(Autonomous)

(Approved by AlCTE, New Delhi; permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade)

Paritala, Kanchikacherla (Md), Krishna District, AP - 521180 www.amritasai.edu.in, 0866-2428399

DEPARTMENT OF MASTER OF COMPUTER APPLICATION



CERTIFICATE

This is to certify that the Project report entitled "ACTIVE CITYADMINISTATION" done by Vutukuri Prathyusha bearing H.T.No: 20AJ1F0025 submitted to the faculty of Master of Computer Application, in partial fulfillment of the requirement for the award of degree in MASTER OF COMPUTER APPLICATION from AMRITA SAI INSTITUTEOF SCIENCE AND TECHNOLOGY. JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original andhas not been submitted for the award of any other degree.

Dr. CHIRANJEEVI PHD

Professor

EXTERNAL EXAMINER

Dr. P CHIRANJEEVI PHD

Department of Master of Computer Application

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY

(Autonomous)

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> Paritala, Kanchikacheria (Md), Krishna District, AP - 521180 www.amritasai.edu.in, 0866-2428399

DEPARTMENT OF MASTER OF COMPUTER APPLICATION



CERTIFICATE

This is to certified that the Project report entitled "SMART IRRIGATION SYSTEM USING IOT" done by Sangati Balakrishna Reddy bearing H. T. No: 20AJ1F0017 submitted to the faculty of Master of Computer Application, in partial fulfilment of the requirement for the award of degree in MASTER OF COMPUTER APPLICATION from AMIRA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, JAWAHARLAL NEHRU

TECHNOLOGICAL UNIVERSITY KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

Mr. P Arun Kumar

Asst. Professor

External Examiner

Dr. P CHIRANJEEVI PHD Head of the Department, MCA

2

DEPARTMENT OF MASTER OF COMPUTER APPLICATION



Certificate

This is to certified that the Project report entitled "AADHAR SECURE TRAVEL IDENTITY" done by NAGA PRAMEELA bearing H. T. No: 20AJ1F0024 submitted to the faculty of Master of Computer Application, in partial fulfilment of the requirement for the award of degree in MASTER OF COMPUTER APPLICATION from AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

Assistant professor

MCA

AMRITA SALINSTITUTE OF SCIENCE AND TECHNOLOGY (Autonomous)

(Approved by AICTE, New Delhi; Permanently affiliated to JNTUK, Kakinada, An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade) Paritala, Kanchikacherla (Md), Krishna District, AP - 521180 www.amritasai.edu.in, 0866-2428399

DEPARTMENT OF MASTER OF COMPUTER APPLICATION



Certificate

This is to certified that the Project report entitled "COVID DETECTION USING CNN" done by Tirupati Srikanth bearing H. T. No: 20AJ1F0022 submitted to the faculty of Master of Computer Application, in partial fulfilment of the requirement for the award of degree in MASTER OF COMPUTER APPLICATION from AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

Dr. G. WIJAY KUMAR

Asst. Professor

Dr. P.CHIRANJEEVI PHD

Head of the Department, MCA

EXTERNAL EXAMINER

Department of Master of Computer Application

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY

(Autonomous)

(Approved by AICTE, New Delhi, Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade) Paritala, Kanchikacherla (Md), Krishna District, AP - 521180 www.amritasai.edu.in, 0866-2428399

Department of

Master of Computer Application



Certificate

This is to certified that the Project report entitled "DEVELOPING A FRAMEWORK FOR DATA PROTECTION IN SOCIAL NETWORK SITES" done by VATSAVAYI ANURADHA bearing H. T. No: 20AJ1F0023 submitted to the faculty of Master of Computer Application, in partial fulfilment of the requirement for the award of degree in MASTER OF COMPUTER APPLICATION from AMIRA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, JAWAHARLAL NEHRU TECHNOLOGICAL

UNIVERSITY KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

M. Somber

Dr.M.SREEDEVI

External Examiner

Dr. P CHIRANJEEVI PHD

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (Autonomous)

GANI ATUKURU ROAD, PARITALA - 521 180

Affiliated to JNTU, Kakinada & Approved by AICTE, New Delhi,

Accredited by NAAC with "A" Grade, NBA Accreditation & Certified by ISO 9001:2015



Certificate

This is to certify that the main project entitled RATING PREDICTION BASED ON SOCIAL SENTIMENT FROM TEXTUAL REVIEWS is a bonafied record of work done and submitted by Baalisetti Navya (Regd No 20AJ1F0003), in the partial fulfillment of the requirements for the award of the degree of MASTER OF COMPUTER APPILICATIONS by Jawaharlal Nehru Technological University, Kakinada. This work has not been submitted to any other University/Institution for the award of any other Diploma/Degree.

PROJECT GUIDE

Mr K. SUBHASH CHANDRA

Assistant Professor

HEAD OF THE DEPARTMENT

Dr.P.CHIRANJEEVI

Associative .Professor

EXTERNAL EXAMINER

(AUTONOMOUS)

DEPARTMENT OF COMPUTER APPLICATIONS



This is to certify that the Project work titled "CRIME DATA ANALYSIS USING MACHINE LEARNING MODELS" done by A.Kavya sri Regd no: 20AJ1F0002 carried out in a partial fulfillment for the award of degree of MCA of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

H. Sulwi

Dr.M.Sreedevi Internal guide Dr.P.Chiranjeevi Professor &HOD.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Amrita Sai Institute of Science & Technology

Approved by AICTE, New Delhi; Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution; Accredited by NAAC with A Grade Amrita Sai Nagar, Paritala, Krishna Dist, A.P. – 521180 www.amritasai.edu.in, 0866-2428399



CERTIFICATE

This is to certify that, the project work entitled "CYBERNETIC PROTECTORS "done by Brahm Naidu (20AJ1F0012) in partial fulfilment of the requirement for the award of degree MASTE OF COMPUTER APPLICATIONS to AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY, JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

Asst, professor

CTERNAL EXAMINER

Assoc. Prof. &HOD, CSE

Department of Master of Computer Application

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY

(Autonomous)

(Approved by AICTE, New Delhi; Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade) Paritala, Kanchikacherla (Md), Krishna District, AP -521180 www.amritasai.edu.in, 0866-2428399

Department of Master of Computer Application



Certificate

This is to certified that the Project report entitled "EFFICIENT AND PRIVACY-PRESERVING ONLINE FINGERPRINT AUTHENTICATION SCHEME OVER OUTSOURCED DATA" done by Bonthu Satya Vara Prasanth bearing H. T. No: 20AJ1F0005 submitted to the faculty of Master of Computer Application, in partial fulfilment of the requirement for the award of degree in MASTER OF COMPUTER APPLICATION from AMIRA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

Dr. P.CHIRANJEEVI PHD

Asst. Professor

Department of Master of Computer Application

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY

(Autonomous)

(Approved by AICTE, New Delhi; Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade) Paritala, Kanchikacherla (Md), Krishna District, AP - 521180 www.amritasai.edu.in, 0866-2428399

Department of Master of Computer Application



Certificate

This is to certified that the Project report entitled "CROP YIELD PREDICTION USING MACHINE LEARNING TECHNIQUES" done by G. Prem chand bearing H. T. No: 20AJ1F0007 submitted to the faculty of Master of Computer Application, in partial fulfilment of the requirement for the award of degree in MASTER OF COMPUTER APPLICATION from AMIRA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

Ars. MPharmedau Asst. Professor

EXTERNAL EXAMINER

Dr. P CHIRANIEEVI M. TOCK, PHD

Department of Master of Computer Application

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (Autonomous)

(Approved by AICTE, New Delhi; Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade) Paritala, Kanchikacherla (Md), Krishna District, AP - 521180 www.amritasai.edu.in, 0866-2428399

Department of Master of Computer Application



Certificate

This is to certified that the Project report entitled "ONLINE PERSONAL BANKING" done by SAI POOHITHA GOTTAM bearing H. T. No: 20AJ1F0009 submitted to the faculty of Master of Computer Application, in partial fulfilment of the requirement for the award of degree in MASTER OF COMPUTER APPLICATION from AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

Mr . P Rathern Babu

Asst. Professor

Dr. P CHIRANJEEVI PHD

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (Autonomous)

(Approved by AICTE, New Delhi; Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade)

Paritala, Kanchikacherla (Md), Krishna District,

AP - 521180 www.amritasai.org.in, 0866-2428399



CERTIFICATE

This is to certify that, the Project work entitled SPAM DETECTION FOR YOUTUBE COMMENTS done by NEELAM AYYAPPA [20AJ1F0014] in partial fulfillment of the requirement For the award of degree MASTER OF COMPUTER APPLICATIONS to AMRITA SAI INSTITUTE OFSCIENCE & TECHNOLOGY JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

M. Inlew.

Dr.M.SREEDEVI Professor Internal Guide

3: Sevin

External Examiner

Dr P.Chiranjeevi, Professor Head of the Department

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (Autonomous)

(Approved by AICTE, New Delhi; Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade)

Paritala, Kanchikacherla (Md), Krishna District,

AP - 521180 <u>www.amritasai.org.in</u>, 0866-2428399 DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS



CERTIFICATE

This is to certify that, the Project work entitled "ADVANCE MINING OF TEMPORAL HIGH UTILITY ITEMSET" done by NIKITHA THUMMURU bearing H. T. No:20AJ1F0021 in partial fulfillment of the requirement for the award of degree of MASTER OF COMPUTER APPLICATIONS from AMRITA SAI INSTITUTE OFSCIENCE & TECHNOLOGY affiliated to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

Mr.K.Subhash Chandra Asst.Professor Internal Guide

External Examiner

Dr P.Chiranjeevi, Professor Head of the Department

(Autonomous)

(Approved by AICTE, New Delhi; Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade)

Paritala, Kanchikacherla (Md), Krishna District,

AP - 521180 www.amritasai.org.in, 0866-2428399 DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS



CERTIFICATE

This is to certify that, the Project work entitled "CHRONICAL KIDNE ANALYSIS" done by B.RAMA [20AJ1F0006] in partial fulfillment of the requirement for the award of degree of MASTER OF COMPUTER APPLICATIONS from AMRITA SAI INSTITUTE OFSCIENCE TECHNOLOGY affiliated to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY. KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

Internal/Guide

Head of the Department

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (Autonomous)

(Approved by AICTE, New Delhi; Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade)

Paritala, Kanchikacherla (Md), Krishna District,

AP - 521180 www.amritasai.org.in, 0866-2428399
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS



CERTIFICATE

This is to certify that, the Project work entitled "ONLINE BOOK SEARCHING" done by SHAIK USMAL H. T. No:20AJ1F0019 in partial fulfillment of the requirement for the award of degree of MASTER OF COMPUTER APPLICATIONS from AMRITA SAI INSTITUTE OFSCIENCE & TECHNOLOGY affiliated to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

M. Suleni

Dr M.Sreedevi Professor Internal Guide

Professor

Head of the Department

AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY (Autonomous)

(Approved by AICTE, New Delhi; Permanently affiliated to JNTUK, Kakinada; An ISO 2009-2015 Certified Institution & Accredited by NAAC 'A' Grade)
Paritala, Kanchikacherla (Md), Krishna District, AP - 521180
www.amritasai.edu.in, 0866-2428399

DEPARTMENT OF MASTER OF COMPUTER APPLICATION



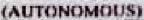
Certificate

This is to certified that the Project report entitled "ONLINE BOOK SEARCHING" done by SHAIK USMAL bearing H. T. No: 20AJ1F0019 submitted to the faculty of Master of Computer Application, in partial fulfilment of the requirement for the award of degree in MASTER OF COMPUTER APPLICATION from AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA is a record of the candidate own work carried out by them under my supervision. The Matter embodied in this project work is original and has not been submitted for the award of any other degree.

Dr.M.Sree devi

Dr. P. CHIRANJEEVI PHD Head of the Department, MCA

EXTERNAL EXAMINER



Approved by AICTE, New Delhis, Personnently Affiliated to JNTUK, Kakimoda, Recognized by UGC under 2(f) & 12(8) of 1934 Act., 15O 9001:2015 Certified Institution, Accredited by NAAC "A" Grade, Paritala, Kanchikacherla, Krishna Dist, Andhes Pradesh- 521180.

www.ameliasat.org.io, Phone: 0864-2428399.



CERTIFICATE

This is to certify that the project report entitled "IMPLEMENTATION OF FIREFIGHTER ROBOT JSING Wi-fi MODULE" that is being submitted by K.LAKSHMI NARESH REDDY (19AJIA0477). S.GAYATHRI (19AJIA4B0), M.YASWANTH (19AJIA0493), K.VENKATA SRAVANI 19AJIA0467) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University. Cakinada is a record of bonafide work this carried by the 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

Mr. B. Ramarao M. Tech, (Ph. D) Head of Department, ECE

if any degree.

Dr. K. Phani Srinivas

Internal Guide

External Examiner

3.6.23

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) Autonomy by ACTE, few bills, Personally Actions to Syrue, Statement, Recognish by UGC and PLOA (2011 of 1950 Act.,

providely ACCE, New York, Pertaining A. Clausel to ANTAL Extended,
Recognised by U.G.C under 210 & 1300 of 1906 Act.,
100 west 1318 Commission, Assembled by MAAC "A" famile,
Facture, Commission Eventure Dark, Andrea Province 1211288
www.accessorier.gov., Phone: 1868-1418181.



CERTIFICATE

This is to certify that the project report entitled "FIRE DETECTION SYSTEM USING IMAGE PROCESSING" that is being submitted by SHABEELA BEGUM (19AJ1A04F0), A.DEEEPTHI (20AJ5A0405), P.MEGHANA (20AJ5A0412), S.VYSHNAVI (19AJIA04F6) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bossifide work carried by them under my guidance and supervision. The results embedied in this project report have not been submitted to any other University or institute for the award of any degree.

Mr. B. Ramarao

Head of Department, ECE

K.Chemtra Rao

Internal Guide

LAUTONOMOUSE

Approved by AICTE, New Debts, Fermionethy Affiliand to DVTLE, Estated as Recognized by USC code: \$10.4 (239) of 1994 Act., USC 9981 5011 Comfod fractions, According by NAAC "A" Great, Factally, Establishment, Action Dest, Austra Probable 52(198), www.actions.com, Thomas 1994 (ACTION)



CERTIFICATE

This is to certify that the project report entitled "SOLAR BASED WIRELESS CHARGING STATION FOR ELECTRICAL VEHICLES" that is being submitted by M.BABY PRIYANKA (20AJSA0410), A.KRANTHI (20AJSA0402), S.DEEPAK (19AJIA04E3), S.ADARSH VENKATESH (19AJIA04E3) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehra Technological University, Kakinada is a record of bona fide work carried by them under my guidanceand supervision. The results embodied in this project report have not been submitted tomy other University or institute for the award of any degree.

Mr. B. Ramarao M. Tech, (Ph. D)

Head of Department, ECE

G.LATHA

M. Tech Internal Guide



Approved by ACCE, New Delia, Personnelly Afficient to 2NTLE, Estimate, Recognized by UGC under 2(f) & 12(f) of 1956 Acc., ISO 9001-2015 Certified Sections, According by NAAC "A" Grade, Particle, Execution Letters Utsl, Andrew Products 521100, www.approved.org 30, Phone: Mast 2424279.

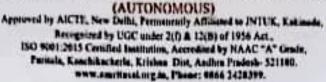


CERTIFICATE

This is to certify that the project report entitled "IOT BASED SMART FLOW METER FOR SMART CITIES" that is being submitted by P.GANGADHARA (19AJIA04C2), K.APARNA (19AJIA0476), M.CHANTHAN MANI PRABHU KUMAR (19AJIA04A0), N. BALA SHIVA PRASAD (19AJIA04A9), P.HARISH (19AJIA04C0) in partial falfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them under my gaidance and supervision. The results embodied in this project report have not been submitted to my other University or institute for the award of any degree.

Mr. B. Rama Rao
M. Tech, (Ph. D)
Head of Department, ECE

ADILYA TUYESI Mrs. B. Aruna Kumari M. Tech Internal Guide





CERTIFICATE

This is to certify that the project report entitled "AN IOT BASED SMART ENERGY METER AND POWER THEFT DETECTION SYSTEM" that is being submitted by J. SAIGOPI (19AJ1A0457), A. HARIKA (19AJ1A0409), CH. PAVANGANESH (19AJ1A0432), J. ANUDEEP (19AJ1A0457) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

B. RAMA RAO N. Tenkork B.

HOD

INTERNAL GUIDE

K. VENKATESULU M.Tech, (Ph. D.) Associate Professor

(AUTONOMOUS)

Appeared by AICTE, New Delbs, Permanently Affiliated to INTUK, Kakimala,

Recognized by USC under 2(f) & 12(f) of 1916 Act.,

150 9001:2015 Certified Instruction, According by NAAC "A" Grade,

Fermala, Konchibacherta, Krishen Diet, Andhra Pradech- 52(180).



CERTIFICATE

Mr. B.Ramarao

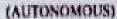
M .Tech.(Ph.D)

Head of Department, ECE

Dr. K.Phani Srinivas

Ph.D

Internal Guide



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Foreigla, Kanchikacherla, Krishna Diot, Andrea Pendeub- 521180,
www.antikacat.org/in, Phone: 0866-2428399.



CERTIFICATE

This is to certify that the project report entitled "WSN BASED AGRICULTURE MONITORING SYSTEM USING RF TECHNOLOGY" that is being submitted by KOTA TEJASWI (19AJIA0480), PATHAKAMURI HARIKA (19AJIA04C3), KANNETI BHUVANESH (19AJIA0468), MIRIYALA SAI MADHAVA KALYAN (19AJIA0498) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mr. B. Balaji

MTech, (Ph.D.)

Internal Guide

Mr. B.Ramarao

MTech, (Ph.D.)

Head of Department [ECE]

(AUTONOMOUS)

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CERTIFICATE

This is to certify that the project report entitled "WSN BASED AGRICULTURE MONITORING SYSTEM USING RF TECHNOLOGY" that is being submitted by KOTA TEJASWI (19AJIA0480), PATHAKAMURI HARIKA (19AJIA04C3), KANNETI BHUVANESH (19AJIA0468), MIRIYALA SAI MADHAVA KALYAN (19AJIA0498) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND C OMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mr. B. Bulaji

MTech, (Ph.D.)

Internal Guide

Mr. B.Ramarao

MTech. (Ph.D.)

Head of Department [ECE]

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) Agreemed by AICTE, New Delta, Permanently Affiliated to JNTUE, Kakinada, Recognized by UUC usder 2(0 & 12(8) of 1954 Act., 150 8001:2015 Certified Entitution, Acceptited by NAAC "A" Grade, Paritala, Kanabikacherla, Krishna Diet, Andlein Pindenh-521180



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www.auritanturg to Phone 0866 2428399.

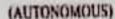
This is to certify that the project report entitled "E NOTICE BOARD USING ARDUINO AND GSM TECHNOLOGY" that is being submitted by M. SHALINI (19AJ1A04A1), K. JYOTHI BRAMMARAMBA (19AJ1A0466), N.TEJASWINI (19AJ1A04A6), M. SAI KUMAR (19AJ1A0484) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao

Head of Department, ECE

Mr. B. Ramarao M.Tech, (Ph.D)

Internal Guide



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WWW.amstland.org.in, Phase: 6866-2428399.



CERTIFICATE

This is to certify that the project report entitled "SMART HOSTEL MANAGEMENT" that is being submitted by MD. SAMRIN (19AJ1A0487), P. SAI SUMANTH KUMAR (19AJ1A0489), M. VAMSI (19AJ1A0488), K. SAI REVANTH (19AJ1A0482) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tech. (Ph.D) Head of Department, ECE Mrs. B. Aruna Kumari
M.Tech
Internal Guide



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CERTIFICATE

This is to certify that the project report entitled "YOGA MENTOR BY USING CONVOLUTION NEURAL NETWORK" that is being submitted by S.PRASANNA(19AJ1AO4F6) V.AJAY KUMAR (19AJ1AO4H7)VALLEPU KAVYA SRI (19AJ1AO4H2) S.LAKSHMI DEVI VIRAJITHA (19AJ1AO4E8) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tobarao) Head of Department, ECE

Mr.VENKETESULU v. Tonetatio Internal Guide

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CERTIFICATE

This is to certify that the project report entitled "SMART BLIND STICK BY USING ARDUINO UNO AND GSM MODULE" that is being submitted by B. AMBIKA NAIDU (19AJ1A0412), J.BHAVANI (19AJ1A0460), CH.DHARUNI (19AJ1A0433), K. DEEPAK REDDY (19AJ1A0463) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

HEAD OF THE DEPARTMENT

B. RAMA RAO

MTech, (Ph. D)

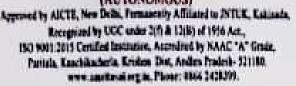
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INTERNAL GUIDE

Dr. Samiran Chatferice

MTech (Ph. D) Professor

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)





CERTIFICATE

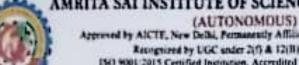
This is to certify that the project report entitled "ENCRYPTION AND DECRYPTION OF IMAGE AND TEXT BASED ON AES AND RSA" that is being submitted by D. PAVAN TRI GANESH (19AJIA0442), G. PRASAD (19AJIA0452), CH. NAGENDRA BABU (19AJIA0427), G. RAMA KRISHNA (19AJIA0449) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nebru Technological University, Kakinada is a record of bonafide work carried by them 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

Mr. B. Ramarao M. Tech, (Ph. D) Head of Department, ECE

M. E. Ph. D

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Agreemed by AICTE, New Delhi, Permanently Affiliated to DvTUK, Kakinada, Recognized by UGC under 2(f) & 12(0) of 1936 Act., 15(1) 9001/2015 Certified Instruction, Accredited by NAAC "A" Grada, Furnala, Kanchikocherla, Krishna Dist, Andhra Pradesh-521(180).



CERTIFICATE

"AUTOMATIC entitled This certify that the project report CLASSIFICATION OF GLAUCOMA STAGES FROM FUNDUS IMAGES USING MACHINE LEARNING" that is being submitted by M. RAAJA HANEELA (19AJIA0490), N. NAKSHATRA (19AJIA04B2), P. SRAVANI (19AJIA04C1), P. PRAVEEN KUMAR (19AJIA04B7), K. LAKSHMI REDDY (19AJIA0472) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mr. B. Ramarao

M.Tech, (Ph.D)

Head of Department, ECE

K. Chandra Rao

M.Tech

Internal Guide



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TWO Assetsociaty in, Phone: 6866 2428399.



CERTIFICATE

This is to certify that the project report entitled "AN IOT BASED SMART ENERGY METER AND POWER THEFT DETECTION SYSTEM" that is being submitted by J. SAIGOPI (19AJIA0457), A. HARIKA (19AJIA0409), CH. PAVANGANESH (19AJIA0432), J. ANUDEEP (19AJIA0457) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

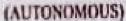
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B. RAMA RAO M. Treh. (Ph. D.)

INTERNAL GUIDE

K. VENKATESULU M.Tech, (Ph. D.)

Associate Professor



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CERTIFICATE

This is to certify that the project report entitled "SMART PARKING SYSTEM USING IOT TECHNOLOGY" that is being submitted by J.NISHITHA A.SATYANARAYANA (19AJ1A04E4). S.ABHILASH (20AJ5A0407). (20AJ5A0401). V.JEEVAN KUMAR (19AJ1A04H9) in partial fulfillment for the ELECTRONICS AND Technology in award of the Bachelor of COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao

M.Tech, (Ph.D)

Head of Department, ECE

Mr.K.VENKATESWARLU

Derwy

M.Tech,(Ph.D) Internal Guide

(AUTONOMOUS)
Apprised by AICTE, New Order, Personnelly Afficient to INTUK, Kakineda, Recognited by UNC under 201 & 12(0) of 1958 Act.,
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WWW.apprilated.org/in, Planter, 0866 2428398.



CERTIFICATE

This is to certify that the project report entitled "IMAGE DENOISING USING DEEP LEARNING" that is being submitted by CH.SUJATHA (19AJ1A0431), B. KIRAN KISHORE REDDY (19AJ1A0410), G.PAVAN NAYAK (19AJ1A0453), B.NAGA VIDHYA (19AJ1A0423) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao

M.Tech. (Ph.D.)

Head of Department, ECE

Mr. K. Chandra Kao

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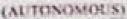
This is to certify that the project report entitled "ALCOHOL DETECTION SYSTEM IN CHIRCLE USING ARBUNO WITH GPS & GSM MODULE" that is being submitted by P.VENU GOPAL (20AJSA0411), V.GOWTHAMI (20AJSA0414), S.V.M. SAI ESWAR (19AJIA04F8), V.MEGHANA (19AJIA04H5) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nebru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B.Ramarao M. Tech (Ph.D)

Head of Department, ECE

Mr.B.Ramarao M.Tech. (Pa.D.

Internal Guide



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CERTIFICATE

This is to certify that the project report entitled "DENSITY BASED TRAFFIC SIGNAL CONTROLLING SYSTEM" that is being submitted by A. HRUDYA NAGASRI (19AJ1A0404), CH. LIKHITHA (19AJ1A0429), D. MOUNIKA (19AJ1A0437),

ANIL KILARI (19AJ1A0405) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

HEAD OF THE DEPARTMENT

B. RAMA RAO

MTech. (Ph. D)

HOD

INTERNAL GUIDE

G. VENKATA RAO

MTech

Assistant Professor

(AUTONOMOUS)

Approved by AICTE, New Delle, Permanently Affiliated to INTUK, Estimada, Recognized by COC under 2(f) & 12(B) of 1956 Apt., 150 80012015 Comfied Institution, According by NAAC "A" Grade, Partials, Karchilacheria, Krishna Diet, Andrea Prodesh-52(190, NRW, SMIRROW) on Jr., Phone: 4844 2428399.



CERTIFICATE

This is to certify that the project report entitled "IOT BASED PATIENT MONITORING SYSTEM USING TCP/IP PROTOCOL" that is being submitted by D. HARITA (19AJ1A0439), E.SAI SPURTHI (19AJ1A0447), D. VIJAYA LAKSHMI (19AJ1A0445), K. SATISH (19AJ1A0462) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mrs. V.SWARNALATHA

M.Tech Assistant Professor HEAD OF THE DEPARTMENT

B. RAMA RAO' M.Tech, (Ph. D.) Associate Professor

External Examiner

3.6.23

(AUTONOMOUS)

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www.attritassi.edu.in. Phone: 0666 2428399.



CERTIFICATE

This is to certify that the project report entitled "SOLAR BASED WIRELESS CHARGING STATION FOR ELECTRICAL VEHICLES" that is being submitted by M.BABY PRIYANKA (20AJ5A0410), A.KRANTHI (20AJ5A0402), S.DEEPAK (19AJ1A04E7), S.ADARSH VENKATESH (19AJ1A04E3) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bona fide work carried by them under my guidanceand supervision. The results embodied in this project report have not been submitted to any other University or institute for the award of any degree.

Mr. B. Ramarao

M. Tech, (Ph. D)

Head of Department, ECE

G.LATHA

M. Tech Internal Guide

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CERTIFICATE

This is to certify that the project report entitled "A SCHOOL BUS TRACKING AND MONITORING SYSTEM" that is being submitted by K. SAI GOPI CHAND (19AJIA0470), M. ADVITHI (19AJIA0495), N. TULASI (19AJIA04B1), N. TEJA REDDY (19AJIA04A4), N. VAMSI MANI KANTA (19AJIA04B5) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao M. Tech, (Ph. D) Head of Department, ECE Mrs. J. Naga Prathima
M. Tech



(AUTONOMOUS)

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CERTIFICATE

This is to certify that the project report entitled "GAS LEAKAGE DETECTION USING GSM MODULE AND ARDUINO WITH SMS AND CALL ALERT" that is being submitted by A.LAKSHMI YUVASRI (19AJIA0402), B.JAYACHANDRA NAIK(19AJIA0426), D.MOHANARAO(19AJIA0446), D.SRIRAM(19AJIA0441) in partial fulfillment for the award of Buchelor of technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafied work carried by them 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

Mr. B. Rama Rao

M. Tech (Ph. D)

Associate Professor Head of Department, ECE Mr. B. Rama Rao

M. Tech (Ph. D)

Associate Professor

Internal Guide

External Examiner

3.6.2



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Exceptional by UCC under I/D & 12/69 of 1936 Act.,
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Portude, Kanthikacherla, Krishen Hist, Ancher Praduck 521188
with annual englis, Phone: 6866 1428379.



CERTIFICATE

This is to certify that the project report entitled "IOT BASED ACCIDENT DETECTION AND RESCUE SYSTEM that is submitted by being J.NAVYA(19AJ1A0461), B. SAMPATH KUMAR (19AJ1A0420), D.YASWANTH (19AJ1A0438), B.SANDEEP (19AJ1A0422) in partial fulfillment for the award of the COMMUNICATION Bachelor of Technology in ELECTRONICS AND ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tech, (Ph.D) Head of Department, ECE Mrs.J.Naga Prathima
M.Tech
Internal Guide

(AUTONOMOUS)
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CERTIFICATE

This is to certify that the project report entitled "IMPLEMENTATION OF THE ARDUINO USING SYSTEM ULTRASONIC SIMPLE RADAR TECHNOLOGY " that is being submitted by CH.VAHANAVI NAGA LAKSHMI (19AJ1A0413), D.VENKATA (19AJIA0428), B.CHANDRA SEKHAR NAVEEN (19AJ1A0440), D. LAKSHMI PRASANA (19AJ1A0443) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

M.Tech, (Ph.D.)

Head of Department, ECE

Ch. S

M.Tech Internal Guide



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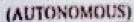
CERTIFICATE

This is to certify that the project report entitled "RECOGNITION OF FACIAL EXPRESSION USING COMPREHENSIVE MULTI-PATCHES FEATURES WITH MACHINE LEARNING" that is being submitted by Y. MOUNIKA LAKSHMI TEJASREE (19AJ1A04II),A. HARI ESHWAR (20AJ5A0420), S. ANIL KUMAR (19AJ1A04E2), Y. NIKITHA (19AJ1A0412) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

M. Tech. (Ph.D)

Head of Department, ECE

Ph.D. M. Tech Internal Guide



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150 9001:2015 Certified Institution, Accredited by NAAC "A" Grade,
Pastiala, Kanchikacherla, Krishna Dist, Andhra Pradesh-521180.
www.austiasakorg.in, Phone: 0866 2428399.



CERTIFICATE

This is to certify that the project report entitled "MULTILEVEL STUDENT ATTENDANCE BY USING FINGERPRINT, RFID, GSM, ARDUINO" that is being submitted by S.BHARGAVI (19AJ1A04E5), R.GANESH (20AJ5A0421), S.TARAKESH (19AJ1A04E9),), T.SAIGANGADHAR (19AJ1A04G6), in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tech, (Ph.D)

Head of Department, ECE

Mrs. J. Naga Prathima

Internal Guide

Approved by AICTE, New Delta, Permanently Affiliated to INTUK, Estimate, Recognized by UCC moder 2(0 & 12(0) of 1956 Acc., 180 9001:2015 Certified Institution, Accordand by NAAC "A" Grade, Partiala, Kanabasharia, Krishna Dist, Anches Prodesh-521180, www.amittanat.org.in, Phone: 1866-2428399.



CERTIFICATE

This is to certify that the project report entitled "IOT BASED ACCIDENT DETECTION AND RESCUE SYSTEM" that is being submitted by J.NAVYA(19AJ1A0461), B. SAMPATH KUMAR (19AJ1A0420), D.YASWANTH (19AJ1A0438), B.SANDEEP (19AJ1A0422) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tech, (Ph.D) Head of Department, ECE Mrs.J.Naga Prathima
M.Tech
Internal Guide

(AUTONOMOUS)

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CERTIFICATE

This is to certify that the project report entitled "MULTILEVEL STUDENT ATTENDANCE BY USING FINGERPRINT, RFID, GSM, ARDUINO" that is being submitted by S.BHARGAVI (19AJIA04E5), R.GANESH (20AJ5A0421), S.TARAKESH (19AJIA04E9),), T.SAIGANGADHAR (19AJIA04G6), in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mr. B. Ramarae M.Tech, (Ph.D) Head of Department, ECE

Mrs. J. Naga Prathima M.Tech

Internal Guide

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CERTIFICATE

This is to certify that the project report entitled "ANDROID CONTROLLED SURVEILLANCE ROBOT CAR" that is being submitted by B. DURGA BHAVANI (20AJ5A0404), Y. ANIL (20AJ5A0418), V. PRATYUSHA (19AJ1A04H4), SK. ABDUL MAJEED (19AJ1A04F1) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao"

M. Tech. (PH. D)

Head of Department, ECE

Adona komasi Mrs. B. Aruna Kumari

M. tech

Internal Guide

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*****Tamble Spicergia, Phone: 1866-242(229).



CERTIFICATE

This is to certify that the project report entitled "IOT BASED PATIENT MONITORING SYSTEM USING TCP/IP PROTOCOL" that is being submitted by D. HARITA (19AJ1A0439), E.SAI SPURTHI (19AJ1A0447), D. VIJAYA LAKSHMI (19AJ1A0445), K. SATISH (19AJ1A0462) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

INTERNAL GUIDE

Mrs. V.SWARNALATHA
M.Tech
Assistant Professor

HEAD OF THE DEPARTMENT

B. RAMA RAO M.Tech, (Ph. D.) Associate Professor

(AUTONOMOUS)

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Paritala, Kanchikacherla, Krishna Dist, Andless Pradesh-321180.
www.amrikacal.org.la, Phone: 6866-2422329.



CERTIFICATE

This is to certify that the project report entitled "ENHANCEMENT OF RETINAL IMAGES USING HYBRID HISTOGRAM EQUALIZATION METHODS" that is being submitted by N.INDU (19AJ1A04A5), M.PRAVEEN (19AJ1A0499), P.MURALI KRISHNA (19AJ1A04D0), K.VAMSI (19AJ1A0473) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao

M.Tech, (Ph.D)

Head of Department, ECE

Dr. D. Hema
M.Tech, Ph.D
Internal Guide

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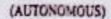
This is to certify that the project report entitled "VIDEO BASED VERICLE COUNTING USING DEEP LEARNING ALGORITHMS" that is being submitted by LCHAITANYA LAKSHMI(19AJ1A0455), B.RAVI TEJA(19AJ1A0417), A.CHARAN TEJA(19AJ1A0407), A.VENKATA NAVEEN(19AJ1A0403) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mr. B. Rama Rao M.Tech, (Ph. D.)

Head of the Department, ECE

Mrs.J.Naga Pratima

Internal Guide



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Farmala, Kasathikacheria, Kristina Dist, Andhra Pradesh-521160.

www.anarthicacheria, Photos 1866 1428199.

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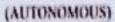
This is to certify that the project report entitled "E NOTICE BOARD USING ARDUINO AND GSM TECHNOLOGY" that is being submitted by N.TEJASWINI (19AJ1A04A6), M. SHALINI (19AJ1A04A1), K. JYOTHI BRAMMARAMBA (19AJ1A0466), M. SAI KUMAR (19AJ1A0484) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tech, (Ph.D)

Head of Department, ECE

Mr. B. Ramarao M.Tech, (Ph.D)

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CERTIFICATE

This is to certify that the project report entitled "SMART HOSTEL MANAGEMENT" that is being submitted by MD. SAMRIN (19AJ1A0487), P. SAI SUMANTH KUMAR (19AJ1A0489), M. VAMSI (19AJ1A0488), K. SAI REVANTH (19AJ1A0482) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tech, (Ph.D) Head of Department, ECE Mrs. B. Aruna Kumari
M.Tech
Internal Guide

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Patriala, Esschikacheria, Krishen Diet, Andrea Pradech- 521130.
www.amartiesakorg.in, Phone: 0866-2428199.



CERTIFICATE

This is to certify that the project report entitled "A SCHOOL BUS TRACKING AND MONITORING SYSTEM" that is being submitted by K. SAI GOPI CHAND (19AJIA0470), M. ADVITHI (19AJIA0495), N. TULASI (19AJIA04B1), N. TEJA REDDY (19AJIA04A4), N. VAMSI MANI KANTA (19AJIA04B5) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao M. Tech, (Ph. D) Head of Department, ECE Mrs. J. Naga Prathima
M. Tech
Internal Guide

ned to INTUX, Katinada, 2(f) & 12(8) of 1956 Act. Accognized by UGC or O 9001:2015 Certified Institution, Accredited by NAAC "A" Grad Partials, Kanchikacheria, Krishna Dier, Andrew Predest- 521180. 150 9901:2015 Centified by www.amriford.org.in, Phone: 0844 2421379.



CERTIFICATE

This is to certify that the project report entitled "DESIGN OF PRINTED P.KUSUMA DGS ANTENNA" that being submitted by (18AJ1A04A4), B.RAMYA (19AJ1A6415), G.DIVYA (19AJ1A0448), K.KIRAN (19AJ1A0464) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tech. (Ph.D)

Hend of Department, ECE

Dr. Samiran Chafterjee (PLD, MIET) Internal Guide

Chathille

(AUTONOMOUS)
Agreewed by AICTE, New Delbi, Permanessly Affiliated to PATUK, Kakimada. Recognized by UGC under 2(f) & 12(B) of 1956 Act. 150 9001:2015 Certified Institution, Accordited by NAAC "A" Grade, Paritala, Kanchikacherla, Krishna Dist, Andhra Pradesh- 521180. nww.ametankorg.in, Phone: 0866 2428399.



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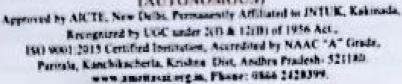
This is to certify that the project report entitled "AUTOMATIC HIGHWAY LIGHT CONTROL SYSTEM" that is being submitted by P.PRANEETHA (19AJ1A04D1), P.UMAR FAROOQ (19AJ1A0C6), K.PRASAD (19AJ1A0474), M.RAMANJANEYULU (19AJ1A0494) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

M.Tech. (Ph.D)

Head of Department, ECE.

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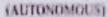
This is to certify that the project report entitled "ALCOHOL DETECTION SYSTEM IN VEHICLE USING ARDUNO WITH GPS & GSM MODULE" that is being submitted by P.VENU GOPAL (20AJ5A0411), V.GOWTHAMI (20AJ5A0414), S.V.M. SAI ESWAR (19AJ1A04F8), V.MEGHANA (19AJ1A04H5) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nebru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B.Ramarao M. Jech, (Ph.D)

Head of Department, ECE

Mr.B.Ramarao M. Icch, (Ph.D

Internal Guide





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This is to certify that the project report entitled "DESIGN OF THREE FINGER FORK ANTENNA" that is being submitted by G.GOWTHAM REDDY(19AJ1A0451), B.KAVERI(19AJ1A0425), B.GAYATHRI, A. ARUN TEJA (19AJ1A0408) inpartial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mr. B. Ramarao

M.Tech, (Ph. D) Head of Department, Dr. Samiran Chatterjee

Ph.I ECE Internal Guide

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This is to certify that the project report entitled "DECISION TREE BASED ANOMALY DETECTION IN NON STATIONARY THERMAL WAVE IMAGING" that is being submitted by B.BINDU (20AJ5A0403), CH.TRIVENI (19AJ1A04G7), U.VASANTH RAO (19AJ1A04G8) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao

M.Tech, (Ph.D) Head of Department, ECE Dr.A.VIJAYALAKSHMI

M.E., Ph.D

Internal Guide

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CERTIFICATE

This is to certify that the project report entitled "FIRE DETECTION SYSTEM USING IMAGE PROCESSING" that is being submitted by SHABEELA BEGUM (19AJ1A04F0), A.DEEEPTHI (20AJ5A0405), P.MEGHANA (20AJ5A0412), S.VYSHNAVI (19AJ1A04E6) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tech, (Ph.D)

Head of Department, ECE

K.Chandra Rao M.Tech Internal Guide

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CERTIFICATE

This is to certify that the project report entitled "DESIGN OF THREE PORT WILKINSON POWER DIVIDER" that is being submitted by NANDINI CHANDRA (19AJIA04A8), MALLELA NARMADA (19AJIA0489), PERNI TAGORE (19AJIA04C9), R HIMAVANTH (19AJIA04D4), PRATHIPATI DIVYA SRI (19AJIA04D2) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tech, (Ph.D) Head of Department, ECE

Dr. Samiran Chatterje

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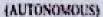
This is to certify that the project report entitled "ENERGY-NEUTRAL WIRELESS SENSOR NETWORKS BASED ON SWIPT IN WIRELESS POWERED COMMUNICATION NETWORKS" that is being submitted by VELAGALETI VINAY (20AJ15AO415), VANKAYALA VSLD ALEKHYA (19AJ1A04H3), YERAMALA CHINNA KESAVA (19AJ1A04H3), THOTA LOKESH(19AJ1A04G4), in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tech (Ph.D.)

Head of Department, ECE

Mr. VENKETESULU M. THREPART

Internal Guide



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Recognized by UGC under 2(f) & 12(f) of 1454 Act.,

100 9061 2015 Contribut Institution, Accredited by NAAC "A" Grade,

Paritals, Kandrikanberts, Krohna Dist, Andria Pradesi-5211142.

www.acceptanaledu.in, Phone. 0448 3428 399.



CERTIFICATE

This is to certify that the project report entitled "DECISION TREE BASED ANOMALY DETECTION IN NON STATIONARY THERMAL WAVE IMAGING" that is being submitted by B.BINDU (20AJ\$A0403), CH.TRIVENI (19AJIA04G7), U.VASANTH RAO (19AJIA04G8) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao

M.Tech, (Ph.D)

Head of Department, ECE

Dr.A.VIJAYAŁAKSHMI

M.E. Ph.D

Internal Guide



(AUTONOMOUS)

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CERTIFICATE

This is to certify that the project report entitled "IMPLEMENTATION OF THE SIMPLE ULTRASONIC RADAR SYSTEM USING ARDLINO TECHNOLOGY " that is being submitted by CH.VAHANAVI NAGA LAKSHMI (19AJ1A0428), B.CHANDRA SEKHAR (19AJIA0413), D.VENKATA NAVEEN (19AJ1A0440), D. LAKSHMI PRASANA (19AJ1A0443) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tech, (Ph.D.) Head of Department, ECE Mr. CH.SRI HARI
M.Tech
Internal Guide



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CERTIFICATE

This is to certify that the project report entitled "ENHANCEMENT OF UNDER WATER IMAGES BASED ON GAN" that is being submitted by R. MAMATHASRI(19AJ1A04D5), R.BHAVANA(19AJ1A04D9), R.KONDALARAO (19AJ1A04D7), P. JAGADEESH (19AJ1A04C5)in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a

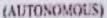
record of bonafide work carried by them under my guidance and supervision. The results embodied in this project report have not been submitted to any other University

or institute for the award of any degree.

M.Tech. (Ph.D.)

Head of Department, ECE

Internal Guide



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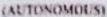
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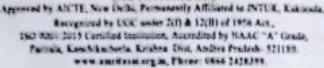
Mr. B. Ramarao

M.Tech, (Ph. D) Head of Department, Dr. Samiran Chatterjee

Ph.D ECE Internal Guide

External Examiner







CERTIFICATE

entitled "AUTOMATIC This is certify that the project report CLASSIFICATION OF GLAUCOMA STAGES FROM FUNDUS IMAGES USING MACHINE LEARNING" that is being submitted by M. RAAJA HANEELA (19AJ1A0490), N. NAKSHATRA (19AJ1A04B2), P. SRAVANI (19AJ1A04C1), P. PRAVEEN KUMAR (19AJ1A04B7), K. LAKSHMI REDDY (19AJIA0472) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Amrita Sai Institute of Science and Technology (Autonomous) is a record of bonafide work carried by them 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.

Mr. B. Ramarao

M.Tech. (Ph.D)

Head of Department, ECE

K. Chandra Rao

M.Tech

Internal Guide

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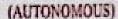
This is to certify that the project report entitled "AN EFFICIENT TRACKING SYSTEM FOR AIR AND SOUND POLLUTION USING IOT" that is being submitted by V.SAI JAHNAVI (20AJ5A0416), V.CHARAN KUMAR (19AJ1A04H0), Y.HARIKA (19AJ1A04I5), U.RAMYA (19AJ1A04G9) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tech./ph.D)

Head of Department, ECE

MR.G. Venkatarao M.Tech

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www.ancitassi.edu.in, Phone: 0166 2428399.



CERTIFICATE

This is to certify that the project report entitled "FINGERPRINT BASED DOOR ACCESS SYSTEM USING ARDUINO" that is being submitted by P. VENKATA LAKSHMI (19AJ1A04B8), R. MANI KUMAR (19AJ1A04D8), M. VIJAY KUMAR (19AJ1A0485), M. PRAVEEN KUMAR (19AJ1A04A3), M. SAI CHANDU (19AJ1A0496) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao M. Toch, (Ph.D)

Head of Department, ECE

Mr. G. Venkata Rao M.Tech

Internal Guide

External Examiner



Approved by ARTE, New Dube, Formmently Afficient to PATER, Enhanced by ARTE New Dube, Formmently Afficient to PATER, Enhanced by URA states 200 & 1200 of 1226 Act.

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www.austroscherg.in, Phone: 1866 2428379.

BAAC

CERTIFICATE

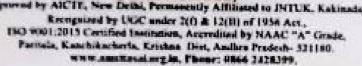
This is to certify that the project report entitled "IOT BASED HEALTH MONITORING SYSTEM FOR COMA PATINET" that is being submitted by V. VENKAT ANUSH KUMAR (20AJ5A0417), Y. UMADEVI (19AJ1A0416), V. RAJASEKHAR (19AJ1A04H1), V. CHANDRA SEKHAR (19AJ1A04H6) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarau M.Tech, (Pk.D)

Head of Department, ECE

M.Tech Internal Guide

(AUTONOMOUS)
Approved by AICIT, New Delbi, Permanently Affiliated to INTUK, Kakinada,





CERTIFICATE

This is to certify that the project report entitled "ENERGY-NEUTRAL WIRELESS SENSOR NETWORKS BASED ON SWIPT IN WIRELESS POWERED COMMUNICATION NETWORKS" that is being submitted by VELAGALETI VINAY (20AJ15AO415), VANKAYALA VSLD ALEKHYA (19AJIA04H3) . YERAMALA CHINNA KESAVA (19AJIA04I8) , THOTA LOKESH(19AJ1A04G4),in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakimada is a record of bonafide work carried by them 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.

Head of Department, ECE

Mr. VENKETESULU M. TAMPANI

Internal Guide



Approved by AICTE, New Delhi, Permanently Affiliated to PNTUK, Kakinada, Recognized by UGC under 2(f) & 12(ii) of 1956 Act., ISO 9001:2015 Certified Institution, Accredited by NAAC "A" Grade, Paritala, Kanchikacherla, Krishna Dist, Andhra Pradesh-521180. www.amittasalorg.in, Phone: 0366 2428399.



CERTIFICATE

This is to certify that the project report entitled "AUTOMATIC HIGHWAY LIGHT CONTROL SYSTEM" that is being submitted by P.PRANEETHA (19AJIA04D1), P.UMAR FAROOQ (19AJ1A0C6), K.PRASAD (19AJ1A0474), M.RAMANJANEYULU (19AJ1A0494) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University. Kakinada is a record of bonafide work carried by them 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.

M.Tech, (Ph.D)

Head of Department, ECE

M. Tech Internal Guide

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180 9001-2015 Certified Institution, Accredited by NAAC "A" Grade,
Paritala, Kanchikucherla, Krishaa Dist, Andhra Pradosh-521180.



CERTIFICATE

This is to certify that the project report entitles by "ENHANCEMENT OF SUPER RESOLUTION SATELLITE INPUT IMAGES USING DUAL TREE COMPLEX WAVELET TRANSFRORM AND NON LOCAL MEANS" that is being submitted by R.MIDHUNU SRI (19AJ1A04D6), R.AKHILA (19AJ1A04E0), P.YAGNA NARAYANA (19AJ1A04D3), K. SAMANTH (19AJ1A0471) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao

M.Tech, (Ph.D.)

Head of Department, ECE

Mr. G.Venkata Rao

M.Tech

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Recognized by UNC under 2(0) & 12(0) of 1956 Arc.,

150 wort 2015 Certified Institution, Accredited by NAAC "A" Grade,

Purisals, Kanchikacherta, Krishna Dist, Andhra Pradech- 521180,

www.amittavat.org.in. Phone; (1866-2428398).



CERTIFICATE

This is to certify that the project report entitled "AN EFFICIENT TRACKING SYSTEM FOR AIR AND SOUND POLLUTION USING IOT" that is being submitted by V.SAI JAHNAVI (20AJSA0416), V.CHARAN KUMAR (19AJIA04H0), V.HARIKA (19AJIA04I5), U.RAMYA (19AJIA04G9) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharial Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao M.Tech.(ph.D)

Head of Department, ECE

MR.G.Venkatarao M.Tech

Internal Guide

External Examiner

(AUTONOMOUS)



CERTIFICATE

This is to certify that the project entitled "FACE RECOGNITION BASED SMART ATTENDENCE SYSTEM" was successfully carried out by B.V.L.N.B.SAI HANUMANTHA RAO (19AJIA0414), CH.NAGESH BABU (19AJIA0434), A.NAVEEN KUMAR (19AJIA0401).

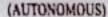
J.ROJESH MANOVARDHAN (19AJIA0456) fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING by AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY, PARITALA during the academic year 2022-2023.

Mr. B. Rama Rao M.Tech. (Ph. D)

Head of Department, ECE

M.Tech

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Recognized by UGC under 2(f) & 12(B) of 1956 Act.,
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Faritala, Kanchikacherla, Krishna Dist, Andhra Pradesh-521180,
www.arteriasai.edu.in, Phone: 0166-2428399.



CERTIFICATE

This is to certify that the project report entitled "SMART PARKING SYSTEM USING IOT TECHNOLOGY" that is being submitted by J.NISHITHA (20AJ5A0407), S.ABHILASH (19AJ1A04E4), A.SATYANARAYANA (20AJ5A0401), V.JEEVAN KUMAR (19AJ1A04H9) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bottafide work carried by them 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.

Mr. B. Ramarao M.Tech, (Ph.D)

Head of Department, ECE

Mr.K.VENKATESWARLU

M.Tech.(Ph.D) Internal Guide

External Examiner



(AUTONOMOUS)

Entraplical by ECC under 2:9 A ULBS of 1996 Act., Robinsta, 150 act 2:15 Central Instrument, Australia of 1996 Act., Political Instrument, Australia of 1996 Act., Political Instrument, Australia of 1996 Act., Act Contral Con



CERTIFICATE

This is to certify that the project report entitled "DESIGNING OF SMART WHEELCHAIR FOR PEOPLE WITH DISABILITIES USING VOICE ASSISTANCE" that is being submitted by B. NAGALEELA (19AJ1A0419), B. VENKATESH (19AJ1A016), K. KAVITHA (19AJ1A0465) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao

M.Tech, (Ph.D) Head of Department, ECE G. LATHA
M. Tech
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External Examiner

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Trend by AICTE, New Delhi, Proposed of Affiliated to INTUE, Estimada,

Recognized by UGC under 2(f) & 12(f) of 1916 Art.

150 9001 2015 Certified Institution, According by NAAC "A" Grade,

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CERTIFICATE

This is to certify that the project report entitled "IDENTIFICATION OF CORONARY ARTERY DISEASE THROUGH IRIS BY USING CNN" that is being submitted by K. SOWMYA SRI (19AJIA0475), P. NIHARIKA (19AJIA04C8), K. SATYAVANI (19AJIA0478), K. MANASA (19AJIA0481) in partial fulfillment for the award of the Bachelor of Technology in ELECTRONICS AND COMMUNICATION ENGINEERING to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried by them 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.

Mr. B. Ramarao

M.Tech, (Ph.D.)

Head of Department, ECE

Mr. K. Chandra Rao

M.Tech

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External Examiner

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "INVENTORY MANAGEMENT" in HERITAGE FOODS (INDIA) Limited is bona fide work of GEDALA SWATHI with a Registration No: 21AJ1E0014 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

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P.VENKATESWARA RAO MBA(Ph.D)(I/C)

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION





CERTIFICATE OF THE GUIDE

This is to certify that the Project work titled "FUNDS FLOW STATEMENT" is bonafide work of Mr. SHAIK MAHMAD JANI Enroll no: 21AJ1E0033 carried out in a partial fulfillment for the award of degree of MBA (FINANCE) of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

Mrs. SHAIK ANISHA

Internal Cuide

P.VENKATESWARA RAO(I/C)

(Head of the Department)

External Examiner

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "PERFORMANCE APPRAISAL IN SRI RANGA MOTORS, (Vizianagaram)" is bona fide work of MOHAMMED KHADAR with a Registration No: 21AJ1E0023 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Mr. ABDUL RAHAMAN

INTERNAL GUIDE

P.VENKATESWARA RAO(I/C)

HEAD OF DEPARTMENT

Or Dec

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the Project work titled CORPORATE MEDICARE MANAGEMENT is a bonafide work of SHAIK SHYBA, Regd no: 21AJ1E0701 carried out in a partial fulfillment for the award of degree of MBA(HC&HM) of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

SHAIK ANISHA

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D PAVAN KUMAR HOD

External Examiner 11 123

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled FUND FLOW STATEMENT ANALYSIS is bona fide work of P.MOHANA VAMSI KRISHNA with a Registration No:21AJ1E0031 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

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SK.ANISHA

HEAD OF DEPARTMENT

P.VENKATESWARAO (I/C)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "A Study On COMPLAINCE OF HAND HYGIENE AND DISCHARGE PROCESS" is bonafide work of Shyba shaik with a Registration No: 21AJ1E0701 carried out in a partial fulfillment for the award of degree of MBA HEALTHCARE AND HOSPITAL MANAGEMENT of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

SK. ANISHA Internal Guide

P.venkateshwar rao (I/C)

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CERTIFICATE

This is to certify that the project work titled "A Study On
COMPLAINCE OF HAND HYGIENE AND DISCHARGE PROCESS" is bonafide
work of Shyba shaik with a Registration No: 21AJ1E0701 carried out in a partial
fulfillment for the award of degree of MBA HEALTHCARE AND HOSPITAL
MANAGEMENT of Jawaharlal Nehru Technological University Kakinada under my
guidance. This project work original and not submitted earlier for the
award of any degree/diploma or associate ship of any other
university/institution.

SK. ANISHA Internal Guide

P.venkateshwar rao (I/C)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "PSU BANK SHARE PRICES With PRIVATE BANK SHARE PRICES" is bona fide work of BONANZA PORTFOLIO LIMITED, MALLINENI SINDHU BHARGAVI with a Registration No:21AJ1E0022 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide ABDUL RAHAMAN

HOD Mr. P. VENKATESWARA RAO(I\C)

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CERTIFICATE

This is to certify that the project work titled "PERFORMANCE APPRAISAL" is bona fide work of BANDLAMUDI RAJESWARI with a Registration No 21AJ1E0003 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide
ABDUL RAHAMAN

HOI

Mr. P. VENKATESWARA RAO(I\C)

EXTERNAL EXAMINER 7 5 23

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled
"PSU BANK SHARE PRICES With PRIVATE BANK SHARE
PRICES" is bona fide work of BONANZA PORTFOLIO LIMITED,
MALLINENI SINDHU BHARGAVI with a Registration
No:21AJ1E0022 carried out in a partial fulfillment for the award of
degree of MBA FINANCE of Jawaharlal Nehru Technological
University Kakinada under my guidance. This project work
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degree/diploma or associateship of any other university/institution.

Internal Guide ABDUL RAHAMAN

HOD Mr. P. VENKATESWARA RAO(I\C)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "EMPLOYEE JOB SATISFACTION" is bona fide work of THOTA ANUSHA with a Registration No 21AJ1E0037 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide
ABDUL RAHAMAN

HOD

Mr. P. VENKATESWARA RAO(I\C)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "INVENTORY MANAGEMENT" in HERITAGE FOODS (INDIA) Limited is bona fide work of GEDALA SWATHI with a Registration No: 21AJ1E0014 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

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HOD
P.VENKATESWARA RAO MBA(Ph.D)(I/C)

DEPARTMENT OF BUSINESS ADMINISTRATION





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Internal Guide

HOD
P.VENKATESWARA RAO MBA(Ph.D)(I/C)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "A Study On EMPLOYEE WELFARE" is bona fide work of Shainu with a Registration No: 21AJ1E0034 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

A. REHAMAN Internal Guide P.venkateshwar rao (I/c) HOD

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "EQUITY ANALYSIS ON BANKING & FINANCIAL SERVICESSTOCKS." is bona fide work of

ARAVAPALLI YEDUKONDALU with a Registration No: 21AJ1E0002 carried out in a partial fulfillment for the award of degree of MBA PINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

INTERNAL GUIDE

MRS. SK. ANISHA

HEAD OF DEPARTMENT

Mr. P. VENKATESWARA RAO(I\C)

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "Indian Stock Market" is bona fide work of Amudalapalli Srinivasa Rao with a Registration No: 21AJ1E0001 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

&k. Anisha

(Internal Guide)

P.Venkateshwara Rao (I/C)

(Head of the Department)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

MANAGEMENT IN SANGAM MILK PRODUCER COMPANY LTD." is bona fide work of KORLAPATI VENKATESH with a Registration No: 21AJ1E0020 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

INTERNAL GUIDE Mrs. SK. ANISHA HEAD OF DEPARTMENT Mr. P. VENKATESWARA RAO(T\C)

DR 21c

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION

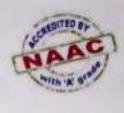


CERTIFICATE

This is to certify that the project work titled "risk management" in icici prudential life insurance is bona fide work of murimuri omkareswari with a Registration No: 21AJ1E0027 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "INVENTORY MANAGEMENT IN INCAP CONTRACT MANUFACTURING COMPANY PVT LTD." is bona fide work of PODILA GOPI with a Registration No: 21AJ1E0030 carried out in a partial fulfillment for theaward of degree of MBA FINANCE of Jawaharlal Nehru Technologic University Kakinada under my guidance. This project work original and not submitted earlier for the awardof any degree/diploma or associate ship of any other university/institution.

INTERNAL GUIDE

HEAD OF DEPARTMENT
Mr. P. VENKATESWARA RAO(I\C)

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "risk management" in icici prudential life insurance is bona fide work of murimuri omkareswari with a Registration No: 21AJ1E0027 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "FOREIGN EXCHANGE" is bonafide work of PANTULA VAISHNAVI with a Registration No:21AJ1E0029 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

SK.ANISHA Internal Guide P. Venkateswara Rao (I/C) HOD

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "QUALITY OF WORK LIFE In KUSALAVA INTERNATIONAL LIMITED, ADAVINEKKLAM" is bona fide work of
CHANDAKA USHA with a Registration No: 21AJ1E0006 carried out in a partial fulfillment
for the award of degree of MBA HR of Jawaharlal Nehru TechnologicalUniversity Kakinada
under my guidance. This project work original andnot submitted earlier for the award of any
degree/diploma or associateship of any other university/institution.

Mr. ABDUL RAHAMAN

INTERNAL GUIDE

P.Venkateshwara Rao (I/C)

HEAD OF DEPARTMENT

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "RATIO ANALYSIS" is bonafide work of Ch. Pavani with a Registration No: 21AJ1E0007 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree /diploma or associateship of any other university/institution.

SK ANISHA

P.VENKATESWARA RAO(I/C)

HOD

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "FINANCIAL PLANNING & STRATEGY IN MARUTHI UDYOG LTD" is bona fide work of GORIPARTHI SRAVAN KUMAR with a Registration No: 21AJ1E0015 carried out in a partial fulfillment for the award of degree of MBAFINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree / diploma or associateship of any other university / institution.

Mr. P. VENKATESWARAO

Mr. P. VENKATESWARAO(I/C)

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "FINANCIAL PLANNING & STRATEGY IN MARUTHI UDYOG LTD" is bona fide work of GORIPARTHI SRAVAN KUMAR with a Registration No: 21AJ1E0015 carried out in a partial fulfillment for the award of degree of MBAFINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree / diploma or associateship of any other university / institution.

Mr. P. VENKATESWARAO

Mr. P. VENKATESWARAO(I/C)

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the Project work titled "CASH FLOW" is bona fide work of GANGURI VENU SUDHA RANI, Regd no: 21AJ1E0011, carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associateship of any other university/institution.

Internal Quide.

Mrs. SK. ANISHA

Professor & HOD.

Mr. P. VENKATESWARA RAO(I)C).

Des Lelavat 15
External Examiner

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "TRAINING AND DEVELOPMENT" is bona fide work of CHINTALA SRILEKHA with a Registration No: 21AJ1E0008 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide ABDUL RAHAMAN

HOD

Mr. P. VENKATESWARA RAO(I\C)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "TRAINING AND DEVELOPMENT" is bona fide work of CHINTALA SRILEKHA with a Registration No: 21AJ1E0008 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide ABDUL RAHAMAN

HOD Mr. P. VENKATESWARA RAO(I\C)

CERTIFICATE

This is to certify that the Project work titled "CAPITAL BUDGETING TECHNIQUES" is bonafide work of M.CHANDANA, Regd. No: 21AJ1E0025, carried out in a partial fulfillment for the award of degree of MBA FINANCE of JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

P.VENKATESWARA RAO

P.VENKATESWARA RAO (I/C)

Assistant Professor

Internal Guide

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "PERFORMANCE APPRAISAL IN SRI RANGA MOTORS, (Vizianagaram)" is bona fide work of MOHAMMED KHADAR with a Registration No: 21AJ1E0023 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Mr. ABDUL RAHAMAN

INTERNAL GUIDE

P.VENKATESWARA RAO(I/C)

HEAD OF DEPARTMENT

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "WORKIG CAPITAL" in "HERO MOTOCORP LIMITED" (HYDERABAD) is Bonafide work of GANTA HEMALATHA with a Registration No: 21AJ1E0012 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide

Mr.P. VENKATESWARA RAO MBA (ph.d)

HOD

Mr.P. VENKATESWARA RAO MBA(ph.d) (I/C)

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "FOREIGN EXCHANGE" is bonafide work of PANTULA VAISHNAVI with a Registration No:21AJ1E0029 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

SK.ANISHA Internal Guide P. Venkateswara Rao (I/C) HOD

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the Project work titled "MUTUAL FUNDS" is bona fide work of THORLIKONDA GOPI Regd.No:21AJ1E0036 carried out in a partial fulfillment for the award of degree of MBA (FINANCE) of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

Internal Guide.

P. VENKATESWARA RAO

HOD

P. VENKATESWARA RAO (I\C)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "PERFORMANCE APPRAISAL IN SRI RANGA MOTORS, (Vizianagaram)" is bona fide work of MOHAMMED KHADAR with a Registration No: 21AJ1E0023 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Ou

Mr. ABDUL RAHAMAN

INTERNAL GUIDE

P.VENKATESWARA RAO(I/C)

HEAD OF DEPARTMENT

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled" FUNDS FLOW STATEMENT IN INCAP LIMITED, VIJAYAWADA" is bona fide work of MUNGI SHIVAJI with a Registration No: 21AJ1E0026 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide Mrs. SK ANISHA

HOD Mr. P. VENKATESWARA RAO(I\C)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "TRAINING & DEVELOPMENT IN KOTAK MAHINDRA BANK" is bona fide work of K.N.VAMSI KRISHNA with a Registration No: 21/AJ/1E0017 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

MR. ABDUL RAHAMAN

INTERNAL GUIDE

P. VENKATESWARA RAO (I/C)

HEAD OF DEPARTMENT

AMRITASAIINSTITUTEOFSCIENCE & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION





CERTIFICATE OF THE GUIDE

This is to certify that the Project work titled "JOB SATISFACTION" is bonafide work of Darsanala Ramya Enroll no: 21AJ1E0009 carried out in a partial fulfillment for the award of degree of MBA (HUMAN RESOURCE) of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

(1)

Mr. ABDUL REHMAN.

Internal Guide

P.VENKATESWARA RAO(I/C)

(Head of the Department)

External Examiner

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "A Study On
COMPLAINCE OF HAND HYGIENE AND DISCHARGE PROCESS" is bonafide
work of Shyba shaik with a Registration No: 21AJ1E0701 carried out in a partial
fulfillment for the award of degree of MBA HEALTHCARE AND HOSPITAL
MANAGEMENT of Jawaharlal Nehru Technological University Kakinada under my
guidance. This project work original and not submitted earlier for the
award of any degree/diploma or associate ship of any other
university/institution.

SK. ANISHA

P.venkateshwar rao (I/C)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "WORKIG CAPITAL" in "HERO MOTOCORP LIMITED" (HYDERABAD) is Bonafide work of GANTA HEMALATHA with a Registration No: 21AJIE0012 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide

Mr.P.VENKATESWARA RAO MBA (ph.d)

HOD

Mr.P. VENKATESWARA RAO MBA(ph.d) (I/C)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "WORKING CAPITAL ANALYSIS" in DOLPHINS AQUA PRODUCTS LIMITED., NALLAJARLA is bona fide work of YADAVALLI VINAY KANTH with a Registration No: 21AJ1E0041 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Mr. P.VENKATESWARA RAO MBA (Ph.D.)

Mr. P.VENKATESWARA RAO MBA (Ph.D.)

Internal Guide

HEAD OF DEPARTMENT

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "TRAINING & DEVELOPMENT IN KOTAK MAHINDRA BANK" is bona fide work of K.N.VAMSI KRISHNA with a Registration No: 21AJ1E0017 carried out in a partial fulfillment for the award of degree of MBA HR of Jawabarial Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

MR. ABDUL RAHAMAN

INTERNAL GUIDE

P.VENKATESWARA RAO (I/C)

HEAD OF DEPARTMENT

Or The

EXTERNAL EXAMINER

M& Lelavet I

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "EMPLOYEE JOB SATISFACTION" is bona fide work of THOTA ANUSHA with a Registration No 21AJ1E0037 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide ABDUL RAHAMAN HOD

Mr. P. VENKATESWARA RAO(I\C)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

"INVENTORY MANAGEMENT" in HERITAGE FOODS (INDIA) Limited is bona fide work of GEDALA SWATHI with a Registration No: 21AJ1E0014 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

nternal Guide

HOD
P.VENKATESWARA RAO MBA(Ph.D)(VC)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "COMMODITY TRADING" is bona fide work of KODALI SNEHA LATHA with a Registration No: 21AJ1E0018 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

SK.ABDUL REHMAN

P.VENKATESWARA RAO(I/C)

(Internal Guide)

(Head Of The Department)





CERTIFICATE

This is to certify that the project work titled "Portfolio management" in Alekhya drugs private limited is bona fide work of Tenali Komal with a Registration No: 21AJ1E0035 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide

MR.P. VENAKTESWARA RAO

HOD
P.VENKATESWARA RAO(I/C)



SANGAM DAIRY PRODUCTS PRIVATE LIMITED.

SANGAM/FIN/PROJECT/2022/105

CERTIFICATE

This is certifying that the project entitled "RATIO ANALYSIS" submitted by Ms.CHILAKALAPUDI PAVANI(RollNo: 21AJ1E0007), in partial fulfillment for the award of the degree of MBA from AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS), PARITALA KANCHIKCHARLA(M), KRISHNA(DT), is a bonafide work carried work by her in SANGAM DAIRY, HYDERABAD from 15-11-2022 to 30-12-2022 underour guidance and supervision.

She has completed assigned project as per requirements within the time frame, her performance during the period work was found to be excellent.

We wish all the best for her future endeavor.

For Sangam Dairy Private Limited.

P. BALAJI

(Asst. Manager

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "EQUITY ANALYSIS ON BANKING & FINANCIAL SERVICESSTOCKS." is bona fide work of

INTERNAL GUIDE

MRS. SK. ANISHA

HEAD OF DEPARTMENT

Mr. P. VENKATESWARA RAO(I\C)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "CAPITAL BUDGETING TECHNIQUES"

IN ANANTHA PVC PIPES PVT LTD, ANANATHAPURAM " is bona fide work of VELDI
GOPINADH with a Registration No: 21AJ1E0038 carried out in a partial fulfillment for the
award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada
under my guidance. This project work original andnot submitted earlier for the award
of any degree/diploma or associateship of any other university/institution.

INTERNAL GUIDE Mrs. SK ANISHA

HEAD OF DEPARTMENT
Mr. P. VENKATESWARA RAO(I\C)

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "QUALITY OF WORK LIFE In KUSALAVA INTERNATIONAL LIMITED, ADAVINEKKLAM" is bona fide work of
CHANDAKA USHA with a Registration No: 21AJ1E0006 carried out in a partial fulfillment
for the award of degree of MBA HR of Jawaharlal Nehru TechnologicalUniversity Kakinada
under my guidance. This project work original andnot submitted earlier for the award of any
degree/diploma or associateship of any other university/institution.

Mr. ABDUL RAHAMAN

INTERNAL GUIDE

P. Venkateshwara Rao (I/C)

HEAD OF DEPARTMENT

AMRITASAIINSTITUTEOFSCIENCE&TECHNOLOGY(AUTONOMOUS) DEPARTMENTOFBUSINESSADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "EMPLOYEE MOTIVATION in HEMADRI CEMENTS PVT LTD, VEDADRI," Is bonafide work of BUTUKURI MANEESHA with a Registration No: 21AJ1E0005 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

MR. ABDUL RAHAMAN

P.VENKATESWARA RAO(I/C)
HEAD OF DEPARTMENT

AMRITASAIINSTITUTEOFSCIENCE&TECHNOLOGY(AUTONOMOUS) DEPARTMENTOFBUSINESSADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "EMPLOYEE MOTIVATION in HEMADRI CEMENTS PVT LTD, VEDADRI," Is bonafide work of BUTUKURI MANEESHA with a Registration No: 21AJ1E0005 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

MR. ABDUL RAHAMAN

P.VENKATESWARA RAO(I/C)
HEAD OF DEPARTMENT

Orgh

AMRITASAIINSTITUTEOFSCIENCE & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION





CERTIFICATE OF THE GUIDE

This is to certify that the Project work titled "JOB SATISFACTION" is bonafide work of Darsanala Ramya Enroll no: 21AJ1E0009 carried out in a partial fulfillment for the award of degree of MBA (HUMAN RESOURCE) of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

Mr. ABDUL REHMAN.

Internal Guide

P.VENKATESWARA RAO(I/C)

(Head of the Department)

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "EMPLOYEE JOB SATISFATION" is bona fide work of RAMA KRISHNA RAYALA with a Registration No: 21AJ1E0032 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Mr. Abdul Rahaman Internal Guide Mr.P.Venkateswara rao (UC)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled FUND FLOW STATEMENT ANALYSIS is bona fide work of P.MOHANA VAMSI KRISHNA with a Registration No:21AJ1E0031 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide

SK.ANISHA

HEAD OF DEPARTMENT

P.VENKATESWARAO (I/C)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION



CERTIFICATE

This isto certify that the Project work titled "BUDGETARY CONTROL" is bonafide work of BARMA SAI MAMAHENDRA, Regd no:21AJ1E0004 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

SK.ANISHA

Internal Guide.

P.Venkateshwara Rao (I/C)

Professor & HOD.

External Examiner

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "WORKIG CAPITAL" in "HERO MOTOCORP LIMITED" (HYDERABAD) is Bonafide work of GANTA HEMALATHA with a Registration No: 21AJ1E0012 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide

Mr.P.VENKATESWARA RAO MBA (ph.d)

HOD

Mr.P.VENKATESWARA RAO MBA(ph.d) (I/C)

JS. Leela nath

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "A Study On EMPLOYEE WELFARE" is bona fide work of Shainu with a Registration No: 21AJ1E0034 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

A. REHAMAN Internal Guide

P.venkateshwar rao (I/c)

HOD

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "FOREIGN EXCHANGE" is bonafide work of PANTULA VAISHNAVI with a Registration No:21AJ1E0029 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

SK.ANISHA Internal Guide

P. Venkateswara Rao (I/C)

HOD

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "FINANCIAL STATEMENT ANALYSIS" IN KOTAK MAHINDRA BANK is bona fide work of VALLAMKONDA KARTHIK with a Registration No: 21AJ1E0039 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide

Mr. P. VENKATESWARA RAO M.B.A(PH.D) Ofthe

HOD Mr. P. VENKATESWARA RAO(I\C)

AMRITA SAI INSTITUTE OF SCIENCE&TECHNOLOGY(AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "STRESS MANAGEMENT In EDLOGIX SOFTWARE SOLUTIONS PVT LTD, HYDERABAD" is bonafide work of DUKKA MOHAN SAI VENKAT with a Registration No: 21AJ1E0010 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

MR. ABDUL RAHAMAN

INTERNAL GUIDE

P.VENKATESWARA RAO (I/C)

HEAD OF DEPARTMENT

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION



CERTIFICATE

This isto certify that the Project work titled "BUDGETARY CONTROL" is bonafide work of BARMA SAI MAMAHENDRA, Regd no:21AJ1E0004 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

SK.ANISHA

Internal Guide.

Professor & HOD.

External Examiner

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "COST ANALYSIS AND CONTROL" is bona fide work of KODALI VISHNU VARDHANA RAO with a Registration No; 21AJ1E0019 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Mrs. SK. ANISHA

Internal Guide

P. Venkateshwara Rao (I/C)

Head Of Department

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "CAPITAL BUDGETING TECHNIQUES"

IN ANANTHA PVC PIPES PVT LTD, ANANATHAPURAM " is bona fide work of VELDI
GOPINADH with a Registration No: 21AJ1E0038 carried out in a partial fulfillment for the
award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada
under my guidance. This project work original andnot submitted earlier for the award
of any degree/diploma or associateship of any other university/institution.

INTERNAL GUIDE

HEAD OF DEPARTMENT
Mr. P. VENKATESWARA RAO(I\C)

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY(AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "RATIO ANALYSIS" is bonafide work of Ch. Pavani with a Registration No: 21AJ1E0007 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree /diploma or associateship of any other university/institution.

SKANISHA

P.VENKATESWARA RAO(L/C

HOD



CERTIFICATE

This is to certify that the project work titled "RATIO ANALYSIS" is bonafide work of Ch. Pavani with a Registration No: 21AJ1E0007 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance . This project work original and not submitted earlier for the award of any degree /diploma or associateship of any other university/institution.

TESWARA RAO(I/C)

HOD

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "CAPITAL BUDGETING TECHNIQUES"

IN ANANTHA PVC PIPES PVT LTD, ANANATHAPURAM " is bona fide work of VELDI GOPINADH with a Registration No: 21AJ1E0038 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

INTERNAL GUIDE

HEAD OF DEPARTMENT
Mr. P. VENKATESWARA RAO(I\C



CERTIFICATE

This is to certify that the project work titled "A Study On EMPLOYEE WELFARE" is bona fide work of Shainu with a Registration No: 21AJ1E0034 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

A. REHAMAN Internal Guide

P.venkateshwar rao (I/c)

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the Project work titled "CASH FLOW" is bona fide work of GANGURI VENU SUDHA RANI, Regd no: 21AJ1E0011, carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associateship of any other university/institution.

Internal Guide.

Mrs SK ANISHA

Professor & HOD.

Mr. P. VENKATESWARA RAO(I\C).

JS. Leclaration 17/5

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION



CERTIFICATE

This isto certify that the Project work titled "BUDGETARY CONTROL" is bonafide work of BARMA SAI MAMAHENDRA, Regd no:21AJ1E0004 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

SK.ANISHA

Internal Guide

P.Venkateshwara Rao (I/C)

Professor & HOD.

External Examiner 3/5/13.





CERTIFICATE

This is to certify that the project work titled "FINANCIAL STATEMENT ANALYSIS" IN KOTAK MAHINDRA BANK is bona fide work of VALLAMKONDA KARTHIK with a Registration No: 21AJ1E0039 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide

Mr. P. VENKATESWARA RAO M.B.A(PH.D) HOD

Mr. P. VENKATESWARA RAO(I\C)



CERTIFICATE

This is to certify that the project work titled "EMPLOYEE MOTIVATION in HEMADRI CEMENTS PVT LTD, VEDADRI," Is bonafide work of BUTUKURI MANEESHA with a Registration No: 21AJ1E0005 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

MR. ABDUL RAHAMAN

P.VENKATESWARA RAO(I/C)
HEAD OF DEPARTMENT

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "TRAINING AND DEVELOPMENT" is bona fide work of CHINTALA SRILEKHA with a Registration No: 21AJ1E0008 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide ABDUL RAHAMAN

HOD Mr. P. VENKATESWARA RAO(I\C)



CERTIFICATE

This is to certify that the project work titled "EQUITY ANALYSIS ON BANKING & FINANCIAL SERVICESSTOCKS." is bona fide work of

ARAVAPALLI YEDUKONDALU with a Registration No: 21AJ1E0002 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

INTERNAL GUIDE

MRS. SK. ANISHA

HEAD OF DEPARTMENT

Mr. P. VENKATESWARA RAO(I\C)

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "EQUITY ANALYSIS ON BANKING & FINANCIAL SERVICESSTOCKS." is bona fide work of

ARAVAPALLI YEDUKONDALU with a Registration No: 21AJ1E0002 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

INTERNAL GUIDE

MRS. SK. ANISHA

HEAD OF DEPARTMENT

Mr. P. VENKATESWARA RAO(I\C)

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "INVENTORY MANAGEMENT IN INCAP CONTRACT MANUFACTURING COMPANY PVT LTD." is bona fide work of PODILA GOPI with a Registration No: 21AJ1E0030 carried out in a partial fulfillment for theaward of degree of MBA FINANCE of Jawaharlal Nehru Technologic University Kakinada under my guidance. This project work original and not submitted earlier for the awardof any degree/diploma or associate ship of any other university/institution.

INTERNAL GUIDE

HEAD OF DEPARTMENT
Mr. P. VENKATESWARA RAO(I\C)





CERTIFICATE

This is to certify that the project work titled "EMPLOYEE JOB SATISFATION" is bona fide work of RAMA KRISHNA RAYALA with a Registration No: 21AJ1E0032 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Mr. Abdul Rahaman Internal Guide

Mr.P.Venkateswara rao (I/C) HOD



CERTIFICATE

This is to certify that the project work titled "WORKING CAPITAL ANALYSIS" in DOLPHINS AQUA PRODUCTS LIMITED., NALLAJARLA is bona fide work of YADAVALLI VINAY KANTH with a Registration No: 21AJ1E0041 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

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Mr. P.VENKATESWARA RAO MBA (Ph.D.)

Mr. P.VENKATESWARA RAO MBA (Ph.D.)

Internal Guide

HEAD OF DEPARTMENT

AMRITASAIINSTITUTEOFSCIENCE & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION



CERTIFICATE OF THE GUIDE

This is to certify that the Project work titled "FUNDS FLOW STATEMENT" is bonafide work of Mr. SHAIK MAHMAD JANI Enroll no: 21AJ1E0033 carried out in a partial fulfillment for the award of degree of MBA (FINANCE) of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

Mrs. SHAIK ANISHA

Internal Cuide

P.VENKATEŚWARA RAO(I/C)

(Head of the Department)

External Examiner

AMRITA SAI INSTITUTE OF SCIENCE&TECHNOLOGY(AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "STRESS MANAGEMENT In EDLOGIX SOFTWARE SOLUTIONS PVT LTD, HYDERABAD" is bonafide work of DUKKA MOHAN SAI VENKAT with a Registration No: 21AJ1E0010 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

(1)

MR. ABDUL RAHAMAN

P.VENKATESWARA RAO (I/C)

INTERNAL GUIDE

HEAD OF DEPARTMENT

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EXTERNAL EXAMINER



CERTIFICATE

This is to certify that the project work titled "COMMODITY TRADING" is bona fide work of KODALI SNEHA LATHA with a Registration No: 21AJ1E0018 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

SK.ABDUL REHMAN

P.VENKATESWARA RAO(I/C)

(Internal Guide)

(Head Of The Department)

AMRITASAIINSTITUTEOFSCIENCE & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION





CERTIFICATE OF THE GUIDE

This is to certify that the Project work titled "JOB SATISFACTION" is bonafide work of Darsanala Ramya Enroll no: 21AJ1E0009 carried out in a partial fulfillment for the award of degree of MBA (HUMAN RESOURCE) of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

Mr. ABDUL REHMAN.

Internal Guide

P.VENKATESWARA RAO(I/C)

(Head of the Department)

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "COST ANALYSIS AND CONTROL" is bona fide work of KODALI VISHNU VARDHANA RAO with a Registration No: 21AJ1E0019 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Mrs. SK. ANISHA

Internal Guide

P.Venkateshwara Rao (I/C)

Head Of Department

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "COST ANALYSIS AND CONTROL" is bona fide work of KODALI VISHNU VARDHANA RAO with a Registration No: 21AJ1E0019 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Mrs. SKANISHA

Internal Guide

P.Venkateshwara Rao (I/C)

Head Of Department





CERTIFICATE

This is to certify that the project work titled" FUNDS FLOW STATEMENT IN INCAP LIMITED, VIJAYAWADA" is bona fide work of MUNGI SHIVAJI with a Registration No: 21AJ1E0026 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide Mrs. SK ANISHA

HOD Mr. P. VENKATESWARA RAO(I\C)





CERTIFICATE

This is to certify that the project work titled" FUNDS FLOW STATEMENT IN INCAP LIMITED, VIJAYAWADA" is bona fide work of MUNGI SHIVAJI with a Registration No: 21AJ1E0026 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide Mrs. SK ANISHA

HOD
Mr. P. VENKATESWARA RAO(I\C)

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "INVENTORY MANAGEMENT IN INCAP CONTRACT MANUFACTURING COMPANY PVT LTD." is bona fide work of PODILA GOPI with a Registration No: 21AJ1E0030 carried out in a partial fulfillment for theaward of degree of MBA FINANCE of Jawaharlal Nehru Technologic University Kakinada under my guidance. This project work original and not submitted earlier for the awardof any degree/diploma or associate ship of any other university/institution.

INTERNAL GUIDE Mrs. SK.ANISHA

HEAD OF DEPARTMENT
Mr. P. VENKATESWARA RAO(I\C)

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "INVENTORY MANAGEMENT IN SANGAM MILK PRODUCER COMPANY LTD." is bona fide work of KORLAPATI VENKATESH with a Registration No: 21AJ1E0020 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

INTERNAL GUIDE Mrs. SK. ANISHA

HEAD OF DEPARTMENT
Mr. P. VENKATESWARA RAO(I\C)

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AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the Project work titled "CASH FLOW" is bona fide work of GANGURI VENU SUDHA RANI, Regd no: 21AJ1E0011, carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associateship of any other university/institution.

Professor & HOD.

Mr. P. VENKATESWARA RAO(I/C).



CERTIFICATE

This is to certify that the project work titled "TRAINING & DEVELOPMENT IN KOTAK MAHINDRA BANK" is bona fide work of K.N.VAMSI KRISHNA with a Registration No: 21AJ1E0017 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

MR. ABDUL RAHAMAN

INTERNAL GUIDE

P. VENKATESWARA RAO (I/C)

HEAD OF DEPARTMENT

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

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CERTIFICATE

This is to certify that the project work titled "COMMODITY TRADING" is bona fide work of KODALI SNEHA LATHA with a Registration No: 21AJ1E0018 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

SK.ABDUL REHMAN

(Internal Guide)

P.VENKATESWARA RAO(I/C)

(Head Of The Department)

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

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CERTIFICATE

This is to certify that the project work titled "PERFORMANCE APPRAISAL" is bona fide work of BANDLAMUDI RAJESWARI with a Registration No 21AJ1E0003 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide
ABDUL RAHAMAN

HOD
Mr. P. VENKATESWARA RAO(I\C)





CERTIFICATE

This is to certify that the project work titled FUND FLOW STATEMENT ANALYSIS is bona fide work of P.MOHANA VAMSI KRISHNA with a Registration No:21AJ1E0031 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide

SK.ANISHA

HEAD OF DEPARTMENT

P.VENKATESWARAO (I/C)





CERTIFICATE

This is to certify that the project work titled "FINANCIAL STATEMENT ANALYSIS" IN KOTAK MAHINDRA BANK is bona fide work of VALLAMKONDA KARTHIK with a Registration No: 21AJ1E0039 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide

Mr. P. VENKATESWARA RAO M.B.A(PH.D) mr. se-

HOD Mr. P. VENKATESWARA RAO(I\C)

AMRITASAIINSTITUTEOFSCIENCE&TECHNOLOGY(AUTONOMOUS

DEPARTMENTOFBUSINESSADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "WORKING CAPITAL MANAGEMENT In GOLDMEDAL ELECTRICALS PVT LTD" is bonafide work of GARRE KALYAN KUMAR with a Registration No: 21AJ1E0013 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Mrs. SK. ANISHA

INTERNAL GUIDE

P.VENKATESWARA RAO(I/C)

HEAD OF DEPARTMENT

AMRITASAI INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

"PSU BANK SHARE PRICES With PRIVATE BANK SHARE PRICES" is bona fide work of BONANZA PORTFOLIO LIMITED, MALLINENI SINDHU BHARGAVI with a Registration No:21AJ1E0022 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide
ABDUL RAHAMAN

HOD Mr. P. VENKATESWARA RAO(I\C)

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CERTIFICATE

This is to certify that the project work titled "WORKING CAPITAL MANAGEMENT In GOLDMEDAL ELECTRICALS PVT LTD" is bonafide work of GARRE KALYAN KUMAR with a Registration No: 21AJ1E0013 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Mes. SK. ANISHA

INTERNAL GUIDE

P.VENKATESWARA RAO(I/C

HEAD OF DEPARTMENT

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "STRESS MANAGEMENT In EDLOGIX SOFTWARE SOLUTIONS PVT LTD, HYDERABAD" is bonafide work of DUKKA MOHAN SAI VENKAT with a Registration No: 21AJ1E0010 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

MR. ABDUL RAHAMAN

P.VENKATESWARA RAO (I/C)

INTERNAL GUIDE

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CERTIFICATE

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Mrs.SK. ANISHA

INTERNAL GUIDE

P.VENKATESWARA RAO(UC)

HEAD OF DEPARTMENT

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "A Study On EMPLOYEE WELFARE" is bona fide work of Shainu with a Registration No: 21AJ1E0034 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

A. REHAMAN Internal Guide P.venkateshwar rao (I/c) HOD





CERTIFICATE

This is to certify that the project work titled "Portfolio management" in Alekhya drugs private limited is bona fide work of Tenali Komal with a Registration No: 21AJ1E0035 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide

MR.P. VENAKTESWARA RAO

P.VENKATESWARA RAO(I/C)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "risk management" in icici prudential life insurance is bona fide work of murimuri omkareswari with a Registration No: 21AJ1E0027 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.



CERTIFICATE

This is to certify that the project work titled "INVENTORY MANAGEMENT IN SANGAM MILK PRODUCER COMPANY LTD." is bona fide work of KORLAPATI VENKATESH with a Registration No: 21AJ1E0020 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

INTERNAL GUIDE

HEAD OF DEPARTMENT Mr. P. VENKATESWARA RAO(I\C)

OR SIC

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "INVENTORY MANAGEMENT IN INCAP CONTRACT MANUFACTURING COMPANY PVT LTD." is bona fide work of PODILA GOPI with a Registration No: 21AJ1E0030 carried out in a partial fulfillment for theaward of degree of MBA FINANCE of Jawaharlal Nehru Technologic University Kakinada under my guidance. This project work original and not submitted earlier for the awardof any degree/diploma or associate ship of any other university/institution.

INTERNAL GUIDE

HEAD OF DEPARTMENT
Mr. P. VENKATESWARA RAO(I\C)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "PSU BANK SHARE PRICES With PRIVATE BANK SHARE PRICES" is bona fide work of BONANZA PORTFOLIO LIMITED, MALLINENI SINDHU BHARGAVI with a Registration No:21AJ1E0022 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide ABDUL RAHAMAN

HOD Mr. P. VENKATESWARA RAO(I\C)

DEPARTMENT OF BUSINESS ADMINISTRATION





This is to certify that the project work titled "PERFORMANCE APPRAISAL" is bona fide work of BANDLAMUDI RAJESWARI with a Registration No 21AJ1E0003 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide
ABDUL RAHAMAN

HOD

Mr. P. VENKATESWARA RAO(T\C)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

"PSU BANK SHARE PRICES With PRIVATE BANK SHARE PRICES" is bona fide work of BONANZA PORTFOLIO LIMITED, MALLINENI SINDHU BHARGAVI with a Registration No:21AJ1E0022 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide ABDUL RAHAMAN

HOD Mr. P. VENKATESWARA RAO(I\C)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "A Study On COMPLAINCE OF HAND HYGIENE AND DISCHARGE PROCESS" is bonafide work of Shyba shaik with a Registration No: 21AJ1E0701 carried out in a partial fulfillment for the award of degree of MBA HEALTHCARE AND HOSPITAL MANAGEMENT of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

SK. ANISHA Internal Guide P.venkateshwar rao (L/C)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the Project work titled CORPORATE MEDICARE MANAGEMENT is a bonafide work of SHAIK SHYBA, Regd no: 21AJ1E0701 carried out in a partial fulfillment for the award of degree of MBA(HC&HM) of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

SHAIK ANISHA

D PAVAN KUMAR HOD

External Examiner 11 123





CERTIFICATE

This is to certify that the project work titled "Portfolio management" in Alekhya drugs private limited is bona fide work of Tenali Komal with a Registration No: 21AJ1E0035 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

MR.P. VENAKTESWARA RAO

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "INVENTORY MANAGEMENT" in HERITAGE FOODS (INDIA) Limited is bona fide work of GEDALA SWATHI with a Registration No: 21AJ1E0014 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide

HOD
P.VENKATESWARA RAO MBA(Ph.D)(VC)





CERTIFICATE

This is to certify that the project work titled "INVENTORY MANAGEMENT" in HERITAGE FOODS (INDIA) Limited is bona fide work of GEDALA SWATHI with a Registration No: 21AJ1E0014 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide

HOD P.VENKATESWARA RAO MBA(Ph.D)(VC)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the Project work titled CORPORATE MEDICARE MANAGEMENT is a bonafide work of SHAIK SHYBA, Regd no: 21AJ1E0701 carried out in a partial fulfillment for the award of degree of MBA(HC&HM) of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

SHAIK ANISHA

D PAVAN KUMAR

External Examiner 11 11 2 3

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the project work titled "FINANCIAL PLANNING & STRATEGY IN MARUTHI UDYOG LTD" is bona fide work of GORIPARTHI SRAVAN KUMAR with a Registration No: 21AJ1E0015 carried out in a partial fulfillment for the award of degree of MBAFINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree / diploma or associateship of any other university / institution.

Mr. P. VENKATESWARAO

INTERNAL GUIDE

Mr. P. VENKATESWARAO(I/C

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "RATIO ANALYSIS" is bonafide work of Ch. Pavani with a Registration No: 21AJ1E0007 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree /diploma or associateship of any other university/institution.

Internal Guide

HOD

P.VENKATESWARA RAO(I/C)



CERTIFICATE

This is to certify that the project work titled "A Study On
COMPLAINCE OF HAND HYGIENE AND DISCHARGE PROCESS" is bonafide
work of Shyba shaik with a Registration No: 21AJ1E0701 carried out in a partial
fulfillment for the award of degree of MBA HEALTHCARE AND HOSPITAL
MANAGEMENT of Jawaharlal Nehru Technological University Kakinada under my
guidance. This project work original and not submitted earlier for the
award of any degree/diploma or associate ship of any other
university/institution.

SK. ANISHA Internal Guide

P.venkateshwar rao (I/C)





CERTIFICATE

This is to certify that the project work titled FUND FLOW STATEMENT ANALYSIS is bona fide work of P.MOHANA VAMSI KRISHNA with a Registration No:21AJ1E0031 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide

SK.ANISHA

HEAD OF DEPARTMENT

P.VENKATESWARAO (I/C)



CERTIFICATE

This is to certify that the project work titled "PERFORMANCE APPRAISAL IN SRI RANGA MOTORS, (Vizianagaram)" is bona fide work of MOHAMMED KHADAR with a Registration No: 21AJ1E0023 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Mr. ABDUL RAHAMAN

INTERNAL GUIDE

P.VENKATESWARA RAO(I/C)

HEAD OF DEPARTMENT

AMRITASAIINSTITUTEOFSCIENCE & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION



CERTIFICATE OF THE GUIDE

This is to certify that the Project work titled "FUNDS FLOW STATEMENT" is bonafide work of Mr. SHAIK MAHMAD JANI Enroll no: 21AJ1E0033 carried out in a partial fulfillment for the award of degree of MBA (FINANCE) of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associate ship of any other university/institution.

Mrs. SHAIK ANISHA

Internal Guide

P.VENKATESWARA RAO(I/C)

(Head of the Department)

External Examiner



CERTIFICATE

This is to certify that the project work titled "QUALITY OF WORK LIFE In KUSALAVA INTERNATIONAL LIMITED, ADAVINEKKLAM" is bona fide work of
CHANDAKA USHA with a Registration No: 21AJ1E0006 carried out in a partial fulfillment
for the award of degree of MBA HR of Jawaharlal Nehru TechnologicalUniversity Kakinada
under my guidance. This project work original andnot submitted earlier for the award of any
degree/diploma or associateship of any other university/institution.

Mr. ABDUL RAHAMAN

INTERNAL GUIDE

P.Venkateshwara Rao (I/C)

HEAD OF DEPARTMENT



CERTIFICATE

This is to certify that the project work titled "FOREIGN EXCHANGE" is bonafide work of PANTULA VAISHNAVI with a Registration No:21AJ1E0029 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

Internal Guide

P. Venkateswara Rao (I/C)



CERTIFICATE

This is to certify that the project work titled "risk management" in icici prudential life insurance is bona fide work of murimuri omkareswari with a Registration No: 21AJ1E0027 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

MR.P. VENKATESWARA RAO(I/C)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "TRAINING AND DEVELOPMENT" is bona fide work of CHINTALA SRILEKHA with a Registration No: 21AJ1E0008 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide ABDUL RAHAMAN HOD Mr. P. VENKATESWARA RAO(I\C)

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF BUSINESS ADMINISTRATION



CERTIFICATE

This is to certify that the Project work titled "CASH FLOW" is bona fide work of GANGURI VENU SUDHA RANI, Regd no: 21AJ1E0011, carried cut in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru technological university Kakinada under my guidance. This project work is original and not submitted earlier for the award of any degree/ diploma or associateship of any other university/institution.

Mc. Juide.

Mrs. SK. ANISHA

Professor & HOD.

Mr. P. VENKATESWARA RAO(I/C).

External Examiner



CERTIFICATE

This is to certify that the project work titled "FINANCIAL PLANNING & STRATEGY IN MARUTHI UDYOG LTD" is bona fide work of GORIPARTHI SRAVAN KUMAR with a Registration No: 21AJ1E0015 carried out in a partial fulfillment for the award of degree of MBAFINANCE of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree / diploma or associateship of any other university / institution.

Mr. P. VENKATESWARAO

Mr. P. VENKATESWARAO(I/C)



CERTIFICATE

This is to certify that the project work titled "Indian Stock Market" is bona fide work of Amudalapalli Srinivasa Rao with a Registration No: 21AJ1E0001 carried out in a partial fulfillment for the award of degree of MBA FINANCE of Jawaharlal Nehru TechnologicalUniversity Kakinada under my guidance. This project work original andnot submitted earlier for the award of any degree/diploma or associateship of any other university/institution.

8k. Anisha

(Internal Guide)

P.Venkateshwara Rao (I/C)

(Head of the Department)

DEPARTMENT OF BUSINESS ADMINISTRATION





CERTIFICATE

This is to certify that the project work titled "EMPLOYEE JOB SATISFACTION" is bona fide work of THOTA ANUSHA with a Registration No 21AJ1E0037 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Internal Guide
ABDUL RAHAMAN

HOD Mr. P. VENKATESWARA RAO(I\C)



CERTIFICATE

This is to certify that the project work titled "PERFORMANCE APPRAISAL IN SRI RANGA MOTORS, (Vizianagaram)" is bona fide work of MOHAMMED KHADAR with a Registration No: 21AJ1E0023 carried out in a partial fulfillment for the award of degree of MBA HR of Jawaharlal Nehru Technological University Kakinada under my guidance. This project work original and not submitted earlier for the award of any degree/diploma or associate ship of any other university/institution.

Mr. ABDUL RAHAMAN

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P.VENKATESWARA RAO(I/C)

(M) 96

HEAD OF DEPARTMENT