



HOME AUTOMATION AND SECURITY SYSTEM WITH NODEMCU USING IOT

A Project Report

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

M. GOWTHAMI MEGHANA

B.SAI SIRISHA

(19E95A0406)

(19E95A0412)

S. DIVYA

G.PRUDHVI

(18E91A0412)

(18E91A0437)

Under the esteemed guidance of

Mrs. A.TRIVENI M.Tech

Assistant Professor

Department of ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT

ANDHRA PRADESH, INDIA

(2018-2022)







CERTIFICATE

This is to certify that the project report entitled "HOME AUTOMATION AND SECURITY SYSTEM WITH NODEMCU USING IOT", submitted by M. GOWTHAMI MEGHANA (19E95A0406), S. DIVYA (18E91A0412), B. SAI SIRISHA (19E95A0412), G. PRUDHVI (18E91A0437) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering, from Chirala Engineering College, Chirala affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

A. Tow Cw.
PROJECT GUIDE

Date of Viva-Voce: 29/6/22

"J'JEW". INTERNALIEXAMINER HEADICATION THE DEPARTMENT Department of E.C.E. CHIRALA ENGINEERING COLLEGE CHIRALA – 523 157

EXTERNAL EXAMINES





ACCIDENT DETECTION AND ALERT SYSTEM

A Project Report

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

P. TEJA SRI (19E95A0419) G.V.S. GOPI NAD (19E95A0421) P. ANURADHA (18E91A0402) K. BHARGAV SAI (18E91A0407)

Under the esteemed guidance of

Mrs.G. KRUPA KUMARI,

Assistant Professor

Department of ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT ANDHRA PRADESH (2018-2022)







CERTIFICATE

This is to certify that the project report entitled "ACCIDENT DETECTION AND ALERT SYSTEM", submitted by P.TEJA SRI (19E95A0419), P.ANURADHA (18E91A0402), G.V.S.GOPI NAD (19E95A0421), K.BHARGAV SAI (18E91A0407) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering, from Chirala Engineering College, Chirala affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of Bonafede work carried out 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 degree.

Go Leupa Lumani PROJECT GUIDE

Date of Viva-Voce:

INTERNAL EXAMINER

Head of the penalifier HEAD ENATH INTERPRETED CHIRALA ENGINEERING COLLEGE CHIRALA 5022 67

EXTERNAL EXAMINER





DESIGN AND IMPLEMENTATION OF GSM BASED INDUSTRIAL AUTOMATION USING ARDUINO

A Project Report

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

V.LIKITHA (18E91A0423)

R.NALINI (18E91A0430)

T.NAGA SASIDHAR (18E91A0428)

K.DINESHKUMAR (19E95A0404)

Under the esteemed guidance of Mr. B.SURESH KUMAR.

Associate Professor

Department of ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT ANDHRA PRADESH, INDIA (2018-2022)







CERTIFICATE

This is to certify that the project report entitled "DESIGN AND IMPLEMENTATION OF GSM BASED INDUSTRIAL AUTOMATION USING ARDUINO", submitted by V.LIKITHA (18E91A0423), R.NALINI (18E91A0430), T.NAGA SASIDHAR (18E91A0428), K.DINESH KUMAR (19E95A0404) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering, from Chirala Engineering College, Chirala affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

PROJECT GUIDE

Date of Viva-Voce: 29.06.2022

EXTERNAL EXAMI

HEALE OF OTHER DEPARTMENT

Department of E.C.E. CHIRALA ENGINEERING COLLEGE

CHIRALA-523 157

INTERNAL EXAMINER





DOOR ACCESS SYSTEM – ARDUINO BASED

A Project Report
Submitted in partial fulfilment of the
Requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

S. KB SUNAYANA (18E91A0419) SK. ASIF (18E91A0404)

P. THIRUPATHAMMA (19E95A04020)

A. GOVARDHAN (18E91A0416)

Under the esteemed guidance of

Mr. K. RAJESH, M. Tech Associate Professor Department of ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)
RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT
ANDHRA PRADESH, INDIA
(2018-2022)

i







CERTIFICATE

This is to certify that the project report entitled "DOOR ACCESS SYSTEM – ARDUINO BASED", submitted by S.KB SUNAYANA (18E91A0419), SK.ASIF(18E91A0404), P.THIRUPATHAMMA(19E95A0420), A.GOVARDHAN(18E91A0416) in partial fulfilment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering, from Chirala Engineering College, Chirala affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

PROJECT GUIDE

HEADIOGO THE TENT Department of E.C.E.
CHRALA ENGINEERING COLLEGE

CHIRALA-523 157

EXTERNAL EXAMINER





DESIGN AND IMPLEMENTATION OF MOVING MESSAGE DISPLAY USING GSM

A Project Report

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

S. VENKATA PRASANNA MARUTI (18E91A0460)

V.GOPI (18E91A0415)

R. TULASI NAGALAKSHMI

(18E91A0453)

Under the esteemed guidance of

Mr. B. SURESH KUMAR

Associate Professor

Department of ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT ANDHRA PRADESH, INDIA(2021-2022)







CERTIFICATE

This is to certify that the project report entitled "DESIGN AND IMPLEMENTATION OF MOVING MESSAGE DISPLAY USING GSM", submitted by S.VENKATA PRASANNA MARUTHI(18E91A0460), V.GOPI (18E91A0415), R. TULASI NAGALAKSHMI (18E91A0453), in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering, from Chirala Engineering College, Chirala affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

ROJECT GUIDE

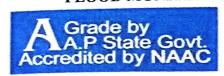
Date of Project Viva-Voce: 29-06-2022

INTERNAL EXAMINER

HEALOGO AMENT Department of E.C.E. THEN I CURALA ENGINEERING COLLECTE HIRALA-523157

EXTERNAL EXAMINER

FLOOD MONITERING USING DAM GATE CONTROL SYSTEM





FLOOD MONITERING USING DAM GATE CONTROL SYSTEM

A Project Report

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

V.RUPA NAGA SAI

K. BHARGAVI

(19E95A0411)

(18E91A0408)

B. SAI KRISHNA

PVDP LIKHITHA

(19E95A0413)

(18E91A0422)

Under the esteemed guidance of

Ms. G. KRUPA KUMARI,

Associate Professor

Department of ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT ANDHRA PRADESH, INDIA (2018-2022)

FLOOD MONITERING USING DAM GATE CONTROL SYSTEM





DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "FLOOD MONITERING USING DAM GATE CONTROL SYSTEM", submitted by V.RUPA NAGA SAI (19E95A0411), K. BHARGAVI (18E91A0408), B. SAI KRISHNA (19E95A0413), PVDP.LIKHITHA (18E91A0422), in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering, from Chirala Engineering College, Chirala affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of Bonafide work carried out 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 degree.

G. Krupa Kurrar; PROJECT GUIDE

Date of Viva-Voce:

INTERNAL EXAMINER

HEATER FOR THE DESPERATION OF THE PERSON OF

EXTERNAL EXAMINER





IMAGE HAZE REMOVAL USING DARK CHANNEL PRIOR

A Project Report

Submitted in partial fulfilment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

B. VEERAKUMARI (18E91A0458)

SK. HUSSEIN (18E91A0417)

D.SUBHASHINI (18E91A0449)

K.T. RAMANJANEYULU (18E91A0451)

Under the esteemed guidance of

Mr. K. RAJESH, M.Tech.,

Associate Professor

Department of ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT ANDHRA PRADESH, INDIA (2018-2022)







CERTIFICATE

This is to certify that the project report entitled IMAGE HAGE REMOVAL USING DARK CHANNEL PRIOR, submitted by B.VEERAKUMARI (18E91A0458), SK.HUSSEIN(18E91A0417), D.SUBHASHINI(18E91A0449), K.T.RAMANJANEYU--LU (18E91A0451) in partial fulfilment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering, from Chirala Engineering College, Chirala affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

Department of E.C.E. CHIRALA ENGINEERING COLLEGE

CHIRALA-523 157

EXAMINER





SMS BASED SMART VEHICLE IGNITION CONTROLLING SYSTEM WITH DRUNK AND DRIVE PROTECTION

A Project Report

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

G. SRAVANI

P. SANDHYA

(19E95A0416)

(19E95A0414)

A. BALAJI

K. LIKHITHA

(18E91A0406)

(18E91A0420)

Under the esteemed guidance of

Mr. K. RAJESH

Associate Professor

Department of ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT ANDHRA PRADESH, INDIA (2018-2022)







CERTIFICATE

This is to certify that the project report entitled "SMS BASED SMART VEHICLE IGNITION CONTROLLING SYSTEM WITH DRUNK AND DRIVR PROTECTION", submitted by G.SRAVANI (19E95A0416), A.BALAJI (18E91A0406), P.SANDHYA (19E95A0414), K.LIKHITHA (18E91A0420) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering, from Chirala Engineering College, Chirala affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of Bonafede work carried out 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 degree.

PROJECT GUIDE

Date of viva-voce: 29/6/2022

INTERNAL EXAMINER

HEAD OF THE DEPARTMENT OF F.C. F.

CHIRALA ENGINEERING COLLEGE

EXTERNAL EXAMINER





ADVANCED IOT BASED REMOTE HEALTH MONITORING AND HOME AUTOMATION

A Project Report
Submitted in partial fulfillment of the
Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

in

ELECTRONICS AND COMMUNICATION ENGINEERING

By

K. VYSHNAVI (18E91A0463) R. GOPI REDDY (18É91A0414)

K. SRUTHI (18E91A0448) N. ARUN KUAR (19E95A0401)

Under the esteemed guidance of

Mr. N.NAGARAJU, M.Tech.,

Assistant Professor

Department of ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada) RAMAPURAM BEACH ROAD- 523157, BAPATLA DISTRICT

ANDHRA PRADESH, INDIA (2018-2022)







CERTIFICATE

This is to certify that the project report entitled "ADVANCED IOT BASED REMOTE HEALTH MONITORING AND HOME AUTOMATION SYSTEM", submitted by K. VYSHNAVI (18E91A0463), R. GOPI REDDY (18E91A0414), K. SRUTHI (18E91A0448), N. ARUN KUMARI (19E95A0401) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering, from Chirala Engineering College, Chirala affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

PROJECT GUIDE

HEAREN THE BEARTMENT
Department of E.C.E.

CHIRALA ENGINEERING COLLEGE

CHIRALA-523 157

EXTERNAL EXAMINER





KALMAN FILTER CHANNEL ESTIMATION IN 2*2 AND 4*4 STBC MIMO-OFDM SYSTEMS

A project Report

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

K.MAHESH

T.VAMSI KRISHNA

(18E91A0426)

(18E91A0457)

L.LIKHITHA

D.SIREESHA

(18E91A0421)

(18E91A0442)

Under the esteemed guidance of

Mrs. E. BHAGYA RANI, M. Tech.

Assistant Professor

Department of ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT ANDHRA PRADESH, INDIA (2018-2022)







This is to certify that the project report entitled "KALMAN FILTER CHANNEL ESTIMATION IN 2*2 AND 4*4 STBC MIMO-OFDM", submitted by K.MAHESH (18E91A0426), L.LIKHITHA (18E91A0421), T.VAMSI KRISHNA (18E91A0457), D.SIREESHA (18E91A0442) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering, from Chirala Engineering College, Chirala affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

K·Bhagya (Lan). PROJECT GUIDE

EXTERNAL EXAMINER

HEAD OF THE DEPARTMENT
Head of the Department
Department of E.C.E.
CHIRALA ENGLISHMENT





FUSION OF MRI AND CT IMAGES USING GUIDED IMAGE FILTER AND IMAGE STATISTICS

A Project Report

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

P.PAVANI

SK.MD.FAROOK ABDULLA

(18E91A0435)

(18E91A0427)

B.HYMAVATHI

D.VAMSI

(18E91A0418)

(18E91A0455)

Under the esteemed guidance of

Mr. K. RAJESH,

Associate Professor

Department of ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT ANDHRA PRADESH, INDIA (2018-2022)







CERTIFICATE

This is to certify that the project report entitled "FUSION OF MRI AND CT IMAGES USING GUIDED IMAGE FILTER AND IMAGE STATISTICS", submitted by P. PAVANI (18E91A0435), SK. MD. FAROOK ABDULLA (18E91A0427), B.HYMAVATHI(16E91A0408), D. VAMSI (18E91A0455) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering, from Chirala Engineering College, Chirala affiliated to the Jawaharlal Nehru Technological University (JNTUK), Kakinada, is a record of bonafide work carried out 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 degree.

PROJECT GUIDÉ

Head of HIP DEPAREMENT
Department of EARTEMENT
CHIRALA ENGINEERING COLL
CHIRAL ENGINEERING COLL
CHIRAL ENGINEERING COLL
C

EXTERNAL EXAMINER





PILOT CONTROLLED RUNWAY LIGTHENING SYSTEM FOR ENERGY CONSERVATION

A Project Report
Submitted in partial fulfillment of the
Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

in

ELECTRONICS AND COMMUNICATION ENGINEERING

By

S.SAI PRASANNA (18E91A0439) K.SRIVALLI (19E95A0417)

G.SOWJANYA (18E91A0445) V.IMRAN (18E91A0454)

Under the esteemed guidance of

Mr. N. NAGARAJU, M.Tech,

Assistant Professor

Department of ECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U, Kakinada)
RAMAPURAM BEACH ROAD—523157, PRAKASAM DISTRICT

ANDHRA PRADESH, INDIA

(2018-2022)







CERTIFICATE

This is to certify that the project report entitled "PILOT CONTROLLED RUNWAY LIGTHENING SYSTEM FOR ENERGY CONSERVATION", submitted by S.SAI PRASANNA (18E91A0439), K.SRIVALLI(19E95A0417), G.SOWJANYA(18E91A0445), V.IM RAN (18E91A0454) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering, from Chirala Engineering College, Chirala affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

PROJECTIGUIDE

HEAD OF THE DEPARTMENT Head of the Department of E.C.E. CHIRALA ENGINEERING COLLEGE CHIRALA-523 157

TERNAL EXAMINER

A PROJECT REPORT ON

RAINFALL PREDICTION USING

MACHINE LEARNING MODELS

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

By

B.Rajya Lakshmi V.Purandhara Venkata Siva Sai-

(18E91A054Í) (18E91A0539)

P.Ganesh Chandra T.Sravani

(18E91A0514) (19E95A0502)

Under the esteemed guidance of Mrs.P.GANGA BHAVANI,M.Tech,(phd)

Associate Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada) RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA PRADESH



DEPARTMENT OF COMPUTER SCIENCE AND

ENGINEERING

CERTIFICATE

This is to certify that the project report on "RAINFALL PREDICTION USING MACHINE LEARNING" is the work carried by "B.Rajya Lakshmi(18E91A0541), V.Purandhara Venkata Siva Sai(18E91A0539), P.Ganesh Chandra(18E91A0514), T.Sravani(19E95A0502) under the guidance during the year 2018-22 towards partial fulfillment of the requirements of the Degree of Bachelor of Technology in Computer Science and Engineering from Jawaharlal Nehru Technological University, Kakinada. The results embodied in this report have not been submitted to any other university for the award of any degree.

PROJECT GUIDE

HEAD OF THE DEPARTMENT

(Mrs.P.Ganga Bhavani)

P. G. Show

(MD.Ismail Khan)

Dr. p. Hanni (online)

Sd. Abidha

Ch.Angel

(18E91A0501)

(18E91A0508)

N.Mani Naga Gopi Krishna

G. Charan Gopi

(18E91A0526)

(18E91A0512)

Under the esteemed guidance of

Ms.A.Lakshmi Parvathi.M.Tech.,

Assistant Professor

Department of CSE



EPARTMENTOFCOMPUTERSCIENCEANDENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA
RADESH



DEPARTMENT OF COMPUTER SCIENCE AND

ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "PREDICTION OF FLIGHT DELAY BY USING MACHINE LEARNING MODELS" is submitted by Sd. Abidha (18E91A0501), Ch. Angel (18E91A0508), N.Mani Naga Gopi Krishna(18E91A0526), G.Charan Gopi(18E91A0512)

In partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science and Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University(JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

HEAD OF THE DEPARTMENT

Mr.MD. Ismail khan

PROJECT GUIDE

Ms.A.Lakshmi Parvathi

DY. P. Hosini (online).

A PROJECT REPORT ON

STOCK MARKET PREDICTION BY USING MACHINE LEARNING

Submitted in partial fulfillment of the Requirements for the award of the degree

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

By

P.SOMA SEKHAR

B.NITHYA RAGA SRUTHI

18E91A0553)

(18E91A0535)

P.SRIVARNA

G.ADITHYA GOPI NAIDU

(18E91A0558)

(18E91A0504)

Under the esteemed guidance of

Mr.N.MOULALI. M. Tech.,

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada) RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA PRADESH



DEPARTMENT OF COMPUTER SCIENCE AND

ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "STOCK MARKET PREDICTION BY USING MACHINE LEARNING" is submitted by P.SOMASEKHAR (18E91A0553), B.NITHYA RAGA SRUTHI(18E91A0535), P.SRIVARNA(18E91A0558) G.ADITHYA GOPI NAIDU(18E91A0504) in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science and Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University(JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

HEAD OF THE DEPARTMENT

MD. ISMAIL KHAN

PROJECT GUIDE

MR.N.MOULALI

Dr. P. HARINI EXTERNAL (on Me)

A PROJECT REPORT ON CREDIT CARD FRAUD DETECTION USING MACHINE LEARNING MODELS

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

By

N.Aruna K.Kumar swamy naidu

(18E91A0509) (18E91A0525)

K.Sudcepthi N. Nandeckar

(18E91A0560) (18E91A0532)

Under the esteemed guidance of

Mr. MD. ISMAIL KHAN, M.Tech.,

Assistant Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA PRADESH



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "CREDIT CARD FRAUD DETECTION USING MACHINE LEARNING MODELS" is submitted by N.Aruna(18E91A0509), K.Kumar Swamy Naidu (18E91A0525), K.Sudeepthi (18E91A0560), N.Nandeekar (18E91A0532) in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science and Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University(JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

HEAD OF THE DEPARTMENT
Mr.MD.ISMAIL KHAN
Associate Prof.

PROJECT GUIDE
Mr.MD.ISMAIL KHAN
Associate Prof.

DR. P. HOSING CONLINE)
EXTERNAL

A PROJECT REPORT ON

PREDICTING STUDENT PERFORMANCE MACHINE LEARNING MODELS

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY COMPUTER SCIENCE AND ENGINEERING

By

SK.Jabina

P.Sasikala

(18E91A0517)

(18E91A0548)

M.Adi Lakshmi

B.Mahesh babu

(18E91A0502)

(19E91A0501)

Under THE ESTMATED guidance of

Mr.P.Bhagavan Das, M.Tech

Assistant Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (Approved by

A.L.C.T.E. and Affiliated to J.N.T.U., Kakinada) RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA PRADESH)



DEPARTMENT OF COMPUTER SCIENCE AND

ENGINEERING

CERTIFICATE

This is to certify that the project report on PREDICTING STUDENT PERFORMANCE BY USING MACHINE LEARNING is the work carried by "SK.Jabina(18E91A0517), M.Adi Lakshmi (18E91A0502), V.Sasi kala (18E91A0548), B.Mahesh babu(19E91A0501) under the guidance during the year 2018-22 towards partial fullfillment of the requirements of the Degree of Bachelor of Technology in Computer Science and Engineering from Jawaharlal Nehru Technological University, Kakinada. The results embodied in this report have not been submitted to any other university for the award of any degree.

PROJECT GUIDE

Mr.P.Bhagavan das

HEAD OF THE DEPARTMENT

MD.P.Ismail Khan

Dr. P. Harini (online)

A PROJECT REPORT ON

PREDICTION OF HEART DISEASES USING

MACHINE LEARNING MODELS

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

By

S.Ramya

D. Adiseshu Reddy

(18E91A0542)

(18E91A0503)

V.Praveen Gopi

K.Ravi Chandana

(18E91A0538)

(18E91A0543)

Under the esteemed guidance of

Ms.SK. KAREEMA, M.Tech

Assistant Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E and Affiliated to J.N.T.U, Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA PRADESH



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "PREDICTION OF HERAT DISEASE USING MACHINE LEARNING MODELS" is submitted by S.Ramya (18E91A0542), D.Adiseshu Reddy (18E91A0503), V.Praveen Gopi (18E91A0538), K.Ravi Chandana (18E91A0543) in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science and Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University(JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

HEAD OF THE DEPARTMENT Mr.MD.Ismail Khan

Associate Professor

PROJECT GUIDE
Sk.Kareema
Associate Professor

Dr. D. Havini (online)

A PROJECT REPORT ON

PREDICTION OF LOAN STATUS IN COMMERCIAL BANK USING MACHINE LEARNING CLASSIFIER

Submitted in partial fulfillment of the Requirements for the award of the degree

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

By

K. BHAVANA

G. SAI GOPI

(18E91A0568)

(18E91A0544)

K. VENKATESH

K. SHANTHI

(18E91A0565)

(18E91A0551)

Under the esteemed guidance of

MS. P. Ganga Bhavani, M. Tech.,

Assistant Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada) RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA PRADESH



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "PREDICTION OF LOAN STATUS IN COMMERCIAL BANK USING MACHINE LEARNING CLASSIFIER" is submitted by K. Bhavana (18E91A0568), G. Sai Gopi (18E91A0544), K. Venkatesh (18E91A0565), K. Shanthi (18E91A0551), in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science and Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University(JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

HEAD OF THE DEPARTMENT

MD. Ismail Khan

PROJECT GUIDE

P. Ganga Bhavani,

Dr. P. Howin: (Online)

A PROJECT REPORT ON

Brain Tumour Detection

Using deep learning models

Submitted in partial fulfilment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY COMPUTER SCIENCE AND ENGINEERING

By

P. Navya D. Prasanthi

(18E91A0533) (18E91A0537)

Ch.Siddhu M.Sai vardhan

(18E91A0552) (18E91A0545)

Under the esteemed guidance of G.NAGARAJU,.M.TECH,

Assistant Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada) RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA PRADESH

DEPARTMENT OF COMPUTER SCIENC AND ENGINEERING



CERTIFICATE OF AUTHENTICATION

We solemnly declare that this project report "BRAIN TUMOUR DETECTION USING DEEP LEARNING" is the bonfire work done purely by P.Navya(18E91A0533), D.Prasanthi(18E91A0537), Ch.Siddhu(18E91A0552), M.Sai Vardhan(18E91A0545), carried out under the supervision of assistant prof. G.NAGARAJU, towards partial fulfilment of the requirements of the degree of Bachelor of technology in computer science and engineering, from Jawaharlal Nehru Technological university (JNTU), Kakinada during the year 2021-2022.

It is further certified that this work has not been submitted, either in part of in full, to any other department of the Jawaharlal Nehru technological university, or any other university, institution or elsewhere, or for publication in any form.

PaNavya Signature of the student

P.Navya

18E91A0533

ChiSiddhu Signature of the student

Ch.Siddhu

18E91A0552

D. Prasanthe Signature of the student

D.Prasanthi

18E91A0537

M-Sai Vardhan. Signature of the student

M.Sai Vardhan

18E91A0545

A PROJECT REPORT ON LIVER DETECTION USING MACHINE LEARNING

MODELS

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY COMPUTER SCIENCE AND ENGINEERING

By

K.Sravani T. Kalyani

(18E91A0555) (18E91A0518)

D. Karthik kumar M. Avinash

(18E91A0520) (18E91A0510)

Under the esteemed guidance of

Mr.N.MOULALI, M.TECH.,

Assistant Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAMBEACHROAD-523157, PRAKASAMDISTRICT, ANDHRA PRADESH



DEPARTMENT OF COMPUTER SCIENCE AND

ENGINEERING

CERTIFICATE

MachineLearningModels" is submitted by K.Sravani(18E91A0555), T.kalyani (18E91A0518), D.Karthikkumar(18E91A0520), M.Avinash(18E91A0510) in partial fulfillment of the requirements for the award of degree of Bachelor of Technology inComputer Science and Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University(JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

HEAD OF THE DEPARTMENT

MD. Ismail khan

PROJECTGUIDE

Mr.N.MOULALI

DraHarini (online).

A PROJECT REPORTON SOFTWARE BUG PREDICTION USING MACHINE LEARNING

MODEL

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY COMPUTER SCIENCE AND ENGINEERING

By

M .Varshini Devi K.Bala Krishna

(18E91A0564) (18E91A0511)

K. Supriya G.Mani Sundar

(18E91A0561) (18E91A0527)

Under the esteemed guidance of

Mr. MD.ISMAIL KHAN, M.TECH.,

Assistant Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)
RAMAPURAMBEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA
PRADESH



DEPARTMENT OF COMPUTER SCIENCE AND

ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "SOFTWARE BUG PREDICTION USING MACHINE LEARNING MODELS" is submitted by M. Varshini Devi (18E91A0564), K. Bala Krishna (18E91A0511), K. Supriya (18E91A0561), G. Mani Sundhar (18E91A0527) in partial fulfillment of the requirements for the award of degree of **Bachelor of Technology** in Computer Science and Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

HEAD OF THE DEPARTMENT

MD. Ismail khan

PROJECTGUIDE

MD.Ismail Khan

P. Havini Conline

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

A PROJECT REPORT ON DETECTION AND PREDICTION OF AIR POLLUTION USING

MACHINE LEARNING MODELS

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY COMPUTER SCIENCE AND ENGINEERING

By

A. Vijaya Lakshmi

N.Lakshmi Srinivas

(18E91A0566)

(16E91A0533)

A. Thirupathamma

Haffizulla Baig

(18E91A0562)

(18E91A0515)

Under the esteemed guidance of

Mr. P. Bhagavan Das, M.Tech.,

Assistant Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA PRADESH



DEPARTMENT OF COMPUTER SCIENCE AND

ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "DETECTION AND PREDICTION OF AIR POLLUTION USING MACHINE LEARNING MODELS" is submitted by A.VijayaLakshmi (18E91A0566), N.LakshmiSrinivas(16E91A0533), A.Thirupathamma (18E91A0562), Haffizulla Baig (18E91A0515) in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science and Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University(JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

HEAD OF THE DEPARTMENT

MD. Ismail khan

Associate Prof

PROJECT GUIDE

Mr.P.BhagavanDas

Associate Prof.

Dy. P. Harini (online) External

A PROJECT REPORT ON COVID-19 FUTURE FORECASTING USING MACHINE LEARNING MODELS

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

By

Sk.Karishma

B.Purna Chandra Rao

(18E91A0519)

(18E91A0540)

K.Nagaraju Sriramkrishna

Ch.Samhithajonath

(18E91A0531)

(18E91A0546)

Under the esteemed guidance of

Ms. Sk. kareema, M.Tech.,

Assistant Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)
RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA
PRADESH



CERTIFICATE

This is to certify that the project report entitled "COVID-19 FUTURE FORECASTING USING MACHINE LEARNING MODELS" is submitted by Sk.Karishma (18E91A0519), B.Purna Chandra Rao(18E91A0540), k.Nagaraju srirama krishna (18E91A0531), Ch.Samhithajonath (18E91A0546) in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science and Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

HEAD OF THE DEPARTMENT

MD.Ismail khan

Associate Prof.

Kaseema PROJECT GUIDE

Ms. Sk.Kareema

Associate Prof.

DY.P. Havini (online)

A PROJECT REPORT ON

A SYSTEMATIC REVIEW OF PREDICTING ELECTIONS BASED ON

SOCIAL MEDIA DATA

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

By

A.Akshaya K.Sampathi

(18E91A0506) (18E91A0547)

J.Srimanth Babu M.Krishna Reddy

(18E91A0557) (18E91A0523)

Under the esteemed guidance of Mr.A.BALAJI, M.Tech.,

Assistant Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada) RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA PRADESH.



DEPARTMENT OF COMPUTER SCIENCE AND

ENGINEERING

CERTIFICATE

This is to certify that the project report on "A SYSTEMATIC REVIEW OF PREDICTING ELECTIONS BASED ON SOCIAL MEDIA DATA" is the work carried by A.Akshaya(18E91A0506), K.Sampathi(18E91A0547), J.Srimanth Babu(18E91A0557), M.Krishna Reddy(18E91A0523) under the guidance during the year 2018-22 towards partial fulfillment of the requirements of the Degree of Bachelor of Technology in Computer Science and Engineering from Jawaharlal Nehru Technological University Kakinada. The results embodied in this report have not been submitted to any other university for the award of any degree.

PROJECT GUIDE

Mr.A.Balaji

HEAD OF THE DEPARTMENT

Mr. MD.Ismail Khan

DIPHONING EXTERNAL

A PROJECT REPORT ON PREDICTING HOTEL BOOKINGS CANCELLATION WITH A MACHINE LEARNING CLASSIFICATION MODEL

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

By

Aeesha Shaik

M. Srikanth

(18E91A0505)

(18E91A0556)

K. Krishna Priya

B. Naga Pavan Kumar

(18E91A0522)

(18E91A0530)

Under the esteemed guidance of

Mr. G. Naga Raju, M. Tech.,

Assistant Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)

RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA PRADESH



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "PREDICTING HOTEL BOOKINGS CANCELLATION WITH A MACHINE LEARNING CLASSIFICATION MODEL" is submitted by Aeesha Shaik(18E91A0505), M. Srikanth(1891A0556), K. Krishna Priya (18E91A0522), B. Nag Pavan Kumar (18E91A0530) in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Computer Science and Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University(JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

HEAD OF THE DEPARTMENT

MD. Ismail khan

PROJECT GUIDE

Mr. G. Naga Raju

Dr. P. Herrini (online)

A PROJECT REPORT ON PREDICTION OF DRUG DETECTION USING MACHINE LEARNING

MODELS

Submitted in partial fulfillment of the Requirements for the award of the degree

\bigvee

BACHELOR OF TECHNOLOGY COMPUTER SCIENCE AND ENGINEERING

By

P. Mohin Khan

P. Naga Durga

(18E91A0528)

(18E91A0529)

K. Nissi

R.S.S.N Kishore

(18E91A0534)

(18E91A0550)

Under the esteemed guidance of

Mr. MD. Ismail Khan, M.Tech.,

Assistant Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA PRADESH



DEPARTMENT OF COMPUTER SCIENCE AND

ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "PREDICTION OF DRUG DETECTION USING MACHINE LEARNING MODELS" is submitted by P. Mohin Khan (18E91A0528), P. Naga Durga (18E91A0529), K. Nissi (18E91A034), K.S.S.N. Kishore (18E91A0550) in partial fulfillment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering, from Chirala Engineering college, affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

HEAD OF THE DEPARTMENT

MD. Ismail khan

Assistant Professor

PROJECT GUIDE

MD. Ismail khan

Assistant Professor

EXTERNAL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

A PROJECT REPORT ON FACK JOB RECRUITMENT DETECTION USING

MACHINE LEARNING MODELS

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY COMPUTER SCIENCE AND ENGINEERING

By

D.Sravani

Ch.Pavan Teja

(18E91A0554)

(18E91A0536)

K.Sruthi Mounika

P.Hari krishna

(18E91A0559)

(18E91A0516)

Under the esteemed guidance of

Mr. P. BHAGAVAN DAS M.Tech

Assistant Professor

Department of CSE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)
RAMAPURAM BEACH ROAD-523157, PRAKASAM DISTRICT, ANDHRA
PRADESH



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "FACK JOB RECRUITMENT DETECTION USING MACHINE LEARNING MODELS" is submitted by D.Sravani (18E91A0554), CH.Pavan Teja (18E91A0536), K.Sruthi Mounika (18E91A0559), P.Hari krishna (18E91A0516) in partial fulfillment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering, from Chirala Engineering college, affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

HEAD OF THE DEPARTMENT

MD. Ismail khan

Assistant Professor

PROJECT GUIDE

P. Bhagavan Das

Assistant Professor

DY. P. Harini Conline)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



A Project Report on

AN IMPROVED MAXIMUM POWER POINT TRACKING FOR PHOTOVOLTAIC GRID-CONNECTED INVERTER BASED ON VOLTAGE- ORIENTED CONTROL

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA In partial fulfillment of requirement for the award of the degree of BACHELOR OF TECHNOLOGY

IN
ELECTRICAL AND ELECTRONICS ENGINEERING
By

K.KOTESWARA RAO

[19E95A0211]

K.LIKITH SAI [19E95A0202]

Under the Esteemed Guidance of

Mr.B. KOTESWARA RAO M. Tech

Associate professor



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CHIRALA ENGINEERING COLLEGE

(An ISO 9001:2008 Certified Institution & Accredited by NAAC with 'A' Grade)

(An ISO 9001:2008 Certified Institution & Accredited by NAAC with 'A' Grade) (Approved by A.I.CT.E & Affiliated to JNTUK, Kakinada)

Rama Puram, Prakasam Dist - 523 157

Department of Electrical & Electronics Engineering



<u>CERTIFICATE</u>

This is to certify that the Project report entitled "AN IMPROVED MAXIMUM POWER POINT TRACKING FOR PHOTOVOLTAIC GRID-CONNECTED INVERTER BASED ON VOLTAGE-ORIENTED CONTROL" that is a bonafide record of work done by K.KOTESWARA RAO (19E95A0211), K.LIKITH SAI(19E95A0202) submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electrical & Electronics Engineering to the JNTUK, Kakinada during the academic year 2021-2022. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

Date:

9 7

Signature of Guide

Mr. B.KOTESWARA RAO M.Tech

Associate Professor

Signature of HOD

Mr.Y.Jagadeesh M.tech

Assistant Professor

EXTERNAL EXAMINAL

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



A Project Report on

SOFT STARTER CIRCUIT DESIGN FOR SINGLE PHASE SQUIRREL CAGE INDUCTION MOTOR

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA In partial fulfillment of requirement for the award of the degree of BACHELOR OF TECHNOLOGY

IN
ELECTRICAL AND ELECTRONICS ENGINEERING
By

P.SANDHYA

[19E95A0205]

V.GANESH

[19E95A0209]

K.VARUN

[19E95A0213]

Under the Esteemed Guidance of

Mr. B.KOTESWARARAO M. Tech

Associate Professor



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CHIRALA ENGINEERING COLLEGE

(An ISO 9001:2008 Certified Institution & Accredited by NAAC with 'A' Grade)

(An ISO 9001:2008 Certified Institution & Accredited by NAAC with 'A' Grade)

(Approved by A.I.CT.E & Affiliated to JNTUK, Kakinada)

Rama Puram, Prakasam Dist - 523 157

Department of Electrical & Electronics Engineering



CERTIFICATE

This is to certify that the Project report entitled "SOFT STARTER CIRCUIT DESIGN FOR SINGLE PHASE SQUIRREL CAGE INDUCTION MOTOR" that is a bonafide record of work done by P.SANDHYA (19E95A0205), V.GANESH (19E95A0209), K.VARUN(19E95A0213), submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electrical & Electronics Engineering to the JNTUK, Kakinada during the academic year 2021-2022. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

Date: 29/06/2022

Signature of Guide

Mr. B.KOTESWARARAO M.Tech Associate Professor Signature of HOD

Mr.Y.Jagadeesh, M.Tech Assistant Professor

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



A Project Report on

SIMULATION OF FUZZY LOGIC CONTROL BASED MPPT TECHNIQUE FOR PHOTOVOLTAIC SYSTEM

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
In partial fulfillment of requirement for the award of the degree of
BACHELOR OF TECHNOLOGY

IN
ELECTRICAL AND ELECTRONICS ENGINEERING
By

K.VENKATA GOPI

[19E95A0208]

K.MANIKANTA REDDY

[19E95A0203]

Under the Esteemed Guidance of

Mr.Y.JAGADEESH M.Tech

Associate Professor



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CHIRALA ENGINEERING COLLEGE

(An ISO 9001:2008 Certified Institution & Accredited by NAAC with 'A' Grade)
(Approved by A.I.CT.E & Affiliated to JNTUK, Kakinada)
Rama puram, Prakasam Dist-523 157, Andhra Pradesh,

Rama Puram, Prakasam Dist - 523 157 Department of Electrical & Electronics Engineering



CERTIFICATE

This is to certify that the Project report entitled "SIMULATION OF FUZZY LOGIC CONTROL BASED MPPT TECHNIQUE FOR PHOTOVOLTAIC SYSTEM" that is a bonafide record of work done by K.VENKATA GOPI (19E95A0208), K. MANIKANTA REDDY(19E95A0203) submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electrical & Electronics Engineering to the JNTUK, Kakinada during the academic year 2021-2022. The results embodied in this project report have notbeen submitted to any other University or Institute for the award of any degree.

Date: 29/06/2022

Signature of Guide

Mr. Y "JAGADEESH M.Tech Associate Professor Signature of HOD

Mr. Y. Jagadeesh, M.Tech Assistant Professor

EXTERNAL EXAMINAR





IMMERSION CORROSION BEHAVIOUR OF WATER-COOLED FRICTION STIR WELDED AA7075-T651

A Project Report Submitted in partial fulfillment of the Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

By

SK. ASHIR (18E95A0302) BASHEER KHAN (18E91A0304) BARMA NAVEEN (18E91A0317) SIVA PRASAD
(18E91A0323)
PILLI NAVEEN
(18E91A0318)
SHAIK SUBHANI
(16E91A0314)

Under the esteemed guidance of

Dr. T. SRINIVASA RAO, Ph.D.

Professor & Head

Department of Mechanical Engineering



DEPARTMENT OF MECHANICAL ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada) RAMAPURAM BEACH ROAD- 523157, PRAKASAM DISTRICT

> ANDHRA PRADESH, INDIA 2018-2022





DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "IMMERSION CORROSION BEHAVIOUR OF WATER-COOLED FRICTION STIR WELDED AA7075-T651" submitted by SHAIK ASHIR(18E91A0302), SIVAPRASAD(18E91A0323), BHASHEERKHAN(18E91A0304), PIL LI NAVEEN(18E91A0318), BARMA NAVEEN(18E91A0318), SHAIK SUBHANI(16E91A0314) in partial fulfillment for the award of degree of Bachelor of Technology in Mechanical Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out byhim 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 degree.

PROJECT GUIDE

Dr. T. SRINIVASA RAO, Ph.D.

HEAD OF THE DEPARTMENT

Dr. T. SRINIVASA RAO, Ph.D.

AMINER





MODELLING ANALYSIS AND FABRICATION OF 4-STROKE S.I ENGINE CONNECTING ROD USING AL FLYASH REINFORCED COMPOSITE

A Project Report
Submitted in partial fulfillment of the
Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

MECHANICAL ENGINEERING

Ву

M. BALU MAHENDRA (18E91A0303) N. YUGANDAR (18E91A0328) K. VAMSI KALYAN (18E91A0327) A. GOWTHAM REDDY (19E95A0301)

M. VINAY KUMAR (19E95A0312)

Under the esteemed guidance of

Mr. M. MOTHILAL NAIK, M. Tech

Assistant Professor

Department of Mechanical Engineering



DEPARTMENT OF MECHANICAL ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)
RAMAPURAM BEACH ROAD—523157, PRAKASAM DISTRICT
ANDHRA PRADESH, INDIA





DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "MODELLING ANALYSIS AND FABRICATION OF 4-STROKE S.I ENGINE CONNECTING ROD USING AL FLYASH REINFORCED COMPOSITE" submitted by M. BALU MAHENDRA (18E91A0303), K.VAMSI KALYAN (18E91A0327), N. YUGANDHAR (18E91A0328), A. GOWTHAM REDDY (19E95A0301) and M. VINAY KUMAR (19E95A0312) in partial fulfillment for the award of degree of Bachelor of Technology in Mechanical Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

PROJECT GUIDE

Mr. MOTHELALMALK, M. Tech

HEAD OF THE DEPARTMENT

DK.T. SRINIVASA RAO, M.E, P.h.d.





MODELLING, ANALYSIS AND FABRICATION OF 2-WHEELER PISTON WITH GRANITE PARTICLES REINFORCED A 356 METAL MATRIX COMPOSITES

A Project Report Submitted in partial fulfillment of the Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

By

CH. MURALI KRISHNA	(19E95A0304)
K. BRAHMAIAH	
	(18E91A0308)
M. N. V. PRASANNA KUMAR	(19E95A0305)
K. SURYAM	(19E95A0310)
P. VINAY VENKATA PRASAD	(19E95A0313)

Under the esteemed guidance of

Mr. M. MOTHILAL NAIK, M. Tech,

Assistant Professor

Department of Mechanical Engineering



DEPARTMENT OF MECHANICAL ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)
RAMAPURAM BEACH ROAD- 523157, PRAKASAM DISTRICT
ANDHRA PRADESH, INDIA
(2018-2022)





PITTING CORROSION AND MICROSTRUCTURE OF WATER-COOLED FRICTION STIR WELDED AA7075-T651

A Project Report Submitted in partial fulfillment of the Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

MECHANICAL ENGINEERING

By

SK. IMAM SAHEB (18E91A0312) P. BHARGAV (18E91A0305)

S. TEJA (19E95A0311) M. SUKUMAR (18E91A0325)

Under the esteemed guidance of

Dr. T. SRINIVASA RAO, Ph.D.

Professor & Head

Department of Mechanical Engineering



DEPARTMENT OF MECHANICAL ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)
RAMAPURAM BEACH ROAD- 523157, PRAKASAM DISTRICT
ANDHRA PRADESH, INDIA





INVESTIGATIONS ON AA 5083 PLATES JOINED USING DOUBLE SIDE FRICTION STIR WELDING

A Project Report Submitted in partial fulfillment of the Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

MECHANICAL ENGINEERING

By

K. SRINIVAS (18E91A0324) V. NAGENDRA BABU (18E91A0316) SK. KHAZA BASHA (18E91A0314) D. VAMSI (18E91A0326)

M.NAVEEN (19E95A0306)

Under the esteemed guidance of

Dr. T. SRINIVASA RAO, Ph.D.

Professor & Head

Department of Mechanical Engineering



DEPARTMENT OF MECHANICAL ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)
RAMAPURAM BEACH ROAD- 523157, PRAKASAM DISTRICT
ANDHRA PRADESH, INDIA
2018-2022





DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "INVESTIGATIONS ON AA 5083 PLATES USING DOUBLE SIDED FRICTION STIR WELDING", submitted by K. SRINIVAS(18E91A0324), SK. KHAZA BASHA(18E91A0314), V.NAGENDRA BABU(18E91A0316), D.VAMSI(18E91A0326), M. NAVEEN (19E95A0306) in partial fulfillment for the award of degree of Bachelor of Technology in Mechanical Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

PROJECT GUIDE

Dr. T. SRINIVASA RAO, Ph.D.

HEAD OF THE DEPARTMENT

Dr. T. SRINIVASA RAO, Ph.D.

EXTERNAL EXAMINER





STUDIES ON DOUBLE-SIDE FRICTION STIR WELDED AA7075 ALUMINUM ALLOY

A Project Report
Submitted in partial fulfillment of the
Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

By

SK. HASSAIN (18E91A0309) K. NIKSON BABU (19E95A0307)

SK. HUSSAIN (18E91A0311) G. MANOJ KUMAR (19E95A0302)

P. KAMAL DEEP (18E91A0313)

Under the esteemed guidance of

Mr. K. HEMASUNDARA RAO, M.E.

Assistant Professor

Department of Mechanical Engineering



DEPARTMENT OF MECHANICAL ENGINEERING

(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)
RAMAPURAM BEACH ROAD- 523157, PRAKASAM DISTRICT
ANDHRA PRADESH, INDIA

2018-2022





DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "STUDIES ON DOUBLE SIDED FRICTION STIR WELDED AA7075 ALUMINIUM ALLOY", submitted by SK. HASSAIN(18E91A0309), SK. HUSSAIN(18E91A0311), K. NIKSON BABU(19E95A0307), G. MANOJ KUMAR(19E95A0302) P. KAMAL DEEP (18E91A0313) in partial fulfillment for the award of degree of Bachelor of Technology in Mechanical Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

PRÖJECT GUIDE

K. HEMASUNDARA RAO, M.E.

HEAD OF THE DEPARTMENT

Dr/T. SRINIVASA RAO, Ph.D.

EXTERNAL EXAMINER





"EXPERIMENTAL INVESTIGATIONS OVER CNC – TURNING PROCESS ON EN19-Mg ALLOY"

A Project Report

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

BY

M. MOHAMMAD MUSTHAFA (18E91A0315) SK. HUSSAIN BASHA (18E91A0310)

K. SALMON (19E95A0308)

Under the esteemed guidance of

Mr. A. SIVA NAGA RAJU, M-Tech, (Ph.D).

DEPARTMENT OF MECHANICAL ENGINEERING



(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)
RAMAPURAM BEACH ROAD- 523157, CHIRALA, A.P. INDIA







(Approved by A.I.C.T.E. and Affiliated to J.N.T.U., Kakinada)
DEPARTMENT OF MECHANICAL ENGINEERING

<u>CERTIFICATE</u>

This is to certify that the project report entitled "EXPERIMENTAL INVESTIGATIONS OVER CNC-TURNING PROCESS ON EN19-Mg ALLOY", submitted by MOTHUKURI MOHAMMAD MUSTHAFA [18E91AO315] in partial fulfillment for the award of degree of Bachelor of Technology in MECHANICAL ENGINEERING, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafied work carried out 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 degree.

PROJECT CHROES

Mr. A. Siva Naga Raju, M-Tech, (Ph.D)

HEAD OF THE DEPARTMENT

Dr.T.SRINIVASA Rao, M-Tech, Ph.D.

EXTERNAL EXAMINER





DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "PITTING CORROSION AND MICROSTRUCTURE OF WATER-COOLED FRICTION STIR WELDED AA7075-T651", submitted by SHAIK IMAM SAHEB (18E91A0312), SIDDABATTULA TEJA (19E95A0311), PANCHUMARTHI BHARGAV (18E91A0305), and MEKALA SUKUMAR (18E91A0325) in partial fulfillment for the award of degree of Bachelor of Technology in Mechanical Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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

PROJECT GUIDE

degree.

SRINIVALA RAD

HEAD OF THE DEPARTMENT

Dr. T. SELMINATA RAD

EXTERNALYEXAMINER





DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "MODELLING, ANALYSIS AND FABRICATION OF 2-WHEELER PISTON WITH GRANITE PARTICLES REINFORCED A356 METAL MATRIX COMPOSITES", submitted by CH. MURALI KRISHNA (19E95A0304), K. BRAHMAIAH (18E91A0308) M. N. V. PRASANNA KUMAR (19E95A0305), K. SURYAM (19E95A0310), P. VINAY VENKATA PRASAD (19E95A0313) in partial fulfillment for the award of degree of Bachelor of Technology in Mechanical Engineering, from Chirala Engineering College, affiliated to the Jawaharlal Nehru Technological University (JNTU), Kakinada, is a record of bonafide work carried out 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 degree.

PROJECT GUIDE

Mr. M. Mothilal Naik, M. Tech,

HEAD OF THE DEPARTMENT

Dr. T. Srinivasa Rao, M.E, P. hd.

Physico -Mechanical Properties of Lime Mortar by Adding Exerted Egg Albumen for Plastering Work in Conservation Work

A PROJECT REPORT

Submitted in partial fulfilment of the

Requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

SUBMITTED BY

J. JAYANTH	19E95A0123
M.U V SAI KRISHNA	19E95A0120
K.RAJESH	19E95A0111
K.SURESH	19E95A0118
M.TEJA	19E95A0119
SK.IJAZ AHAMMAD	18E91A0102
CH.VIJAY	18E91A0117

Under the Esteemed Guidance Of

A. DHANA LAKSHMIM.TECH

Assistant Professor



Department of Civil Engineering

CHIRALA ENGINEERING COLLEGE

CHIRALA 523155, PRAKASAM DISTRICT, AP

(AFFLIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY)

KAKINADA-533003, AP, INDIA.

DEPARTMENT OF CIVIL ENGINEERING

Chirala Engineering College

CHIRALA-523155

(Affiliated to Jawaharlal Nehru Technological University, Kakinada)



BONAFIDE CERTIFICATE

Certified that this project report "Physico-Mechanical Properties of Lime Mortar by Adding Exerted Egg Albumen for Plastering Work in Conservation Work" is the bonafide work of by J.JAYANTH (19E95A0123), M.U V SAI KRISHNA(19E95A0120), M.TEJA(19E95A0119),K.RAJESH(19E95A0111) K.SURESH(19E95A0118),SK.IJAZ AHAMMAD (18E91A0102), CH.VIJAY (18E91A0117) who carried out the project work under my supervision during the year 2021 to 2022, towards partial fulfilment of the requirements of the Degree of Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada. The results embodied in this report have not been submitted to any other University for the award of any degree.

Signature of the Head of the Department

M. SAMBASIVA RAO M. TECH (Ph. D)

ASSOCIATE PROFESSOR & HOD

Department of Civil Engineering

Signature of the Supervisor

A. DHANA LAKSHMI M.TECH

ASSISTANT PROPESSOR

Department of Civil Engineering

External Viva voce conducted on: 25.06.2023

Internal Examiner

Dr. B. Savath Chandra Kumar
(anline)

"IMPROVEMENT OF COMPRESSIVE STRENGTH OF PERVIOUS CONCRETE"

A PROJECT REPORT
Submitted in Partial Fulfilment of the Requirements for the Award of the Degree of BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING

SUBMITTED BY

POTHARALANKA NAGA LAKSHMI	17E95A0113
ZAGABATHUNI GEETHA	17E95A0105
DASARI KOTESWARARAO	17E95A0109
PANNEM LEELANAND	17E95A0110
VADRANAM JAGADEESH	17E95A0107
PALAPARTHY RAVIBABU	17E95A0119
ANGALAKUDURU SAITEJA	17E95A0121
KOSANAM SYAM PRASAD	17E95A0123
DASARI THARUNALATHA	17E95A0124

Under the esteemed guidance Of P. SUMA (M. TECH) Assistant Professor



Department of Civil Engineering

CHIRALA ENGINEERING COLLEGE
CHIRALA 523157, PRAKASAM DISTRICT, AP

(AFFLIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY)
KAKINADA-533003, AP, INDIA.

DEPARTMENT OF CIVILENGINEERING

CHIRALA ENGINEERING COLLEGE

CHIRALA-523157

(Affiliated to Jawaharlal Nehru Technological University, Kakinada)



BONAFIDE CERTIFICATE

Certified that this project report "IMPROVEMENT OF COMPRESSIVE STRENGTH OF PERVIOUS CONCRETE" is the bonafide work of by P.NAGA LAKSHMI (17E95A0113), Z.GEETHA (17E95A0105), D. KOTESWARARAO (17E95A0109), P. LEELANAND (17E95A0110), V.JAGADEESH (17E95A0107), P. RAVI BABU (17E95A0119), A. SAITEJA(17E95A0121), K. SYAM PRASAD (17E95A0123), D.THARUNALATHA (17E95A0124)

who carried out the project work under my supervision during the year 2021 to 2022, towards partial fulfilment of the requirements of the Degree of Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada. The results embodied in this report have not been submitted to any other University for the award of any degree.

Signature of the Head of the Department

M. SAMBASIVA RAO (PhD)
ASSOCIATE PROFESSOR & HOD
Department of Civil Engineering

Signature of the Supervisor

P. SUMA (M. Tech)
ASSISTANT PROFESSOR
Department of Civil Engineering

External Viva voce conducted on Q5/6/2022

Internal Examiner

External Examiner

Dr. B. Sarath chandra kumar Conline)

UTILIZATIONOFWASTEPLASTICINMANUF **ACTURINGOFBRICKS**

A PROJECT REPORT

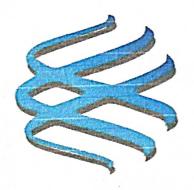
Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY IN **CIVIL ENGINEERING**

Submitted by

G. NIKHIL	19E95A0110
K. SIVA NAGARAJU	18E91A0111
M. VAMSI KIRAN	18E91A0115
K. SAI RANGA	18E91A0108
M. CHAITANYA KRISHNA	18E91A0101

Under esteemed guidance of MISS. P. SUMA M. Tech Assistant professor



Department of Civil Engineering

CHIRALA ENGINEERING COLLEGE

Chirala - 523157,Prakasam district, AP

(AFFLIATED TO JAWAHARLAL NEHRU TECHNOLOGY UNIVERSITY KAKINADA-533003,AP,INDIA) 2021-2022

DEPARTMENT OF CIVIL ENGINEERNG Chirala Engineering College

CHIRALA - 523157

(Affiliated to Jawaharlal Nehru Technological University, Kakinada)



Certified that this project report "UTILIZATION OF WASTE PLASTIC IN MANUFACTURING OF BRICKS" is the bonafide work of by G.NIKHIL(19E95A0110),K.SIVANAGARAJU(18E91A0111),K.SAIRA NGA(18E91A0108), M.VAMSIKIRAN(18E91A0115) M.CHAITANYA KRISHNA(18E91A0101), who carried out the project work under my supervision during the year 2021 to 2022, towards partial fulfilment of the requirements of the Degree of Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada. The results embodied in this report have not been submitted to any other University for the award of any degree.

Signature of the Head of the Department

Signature of the Supervisor

M.SAMBASIVA RAO (Ph.D)
ASSOCIATE PROFESSOR & HOD

Department of Civil Engineering

P. SUMA M.TECH ASSISTANT PROFESSOR

Department of Civil Engineering

External Viva voice conducted on 25 06 22

Internal Examiner

External Examiner

Dr. B. Sarath chandra kumar (online)

A Term Paper Report On "PREPARATION OF CONCRETE BRICKS USING COCONUT SHELL AND FLY ASH"

A Project Report
Submitted in partial fulfillment of the requirement
For the award of the
Bachelor of Technology
In
Department Of Civil Engineering

Submitted By

B. VINAY BHASKAR (19E95A0121)
S. ELIYA (19E95A0104)
N. SAI KUMAR (19E95A0114)
K. CHANDRAM (19E95A0103)
K. KANAKAIAH (18E91A0103)

Under the esteemed guidance of A. DHANA LAKSHMI M.Tech Assistant professor



Department Of Civil Engineering
CHIRALA ENGINEERING COLLEGE
(Affiliated to Jawaharlal Nehru Technological University, Kakinada)
CHIRALA-523157
2018-2022

CHIRALA ENGINEERING COLLEGE Department Of Civil Engineering

BONAFIDE CERTIFICATE

This is to certify that the project work entitled "Preparation of concrete bricks using coconut shell and fly ash" is benefited work of "B. Vinay Bhaskar, S. Eliya, N. Sai Kumar, K. Chandram, and K. Kanakaiah" who carried out the project work under my supervision during the year 2021-2022, towards partial fulfillment of the requirements of the degree of Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada. The results embodied in this report have not submitted to any other university for the award of any degree.

Head of the Department

Project guide

M. SAMBASIVA RAO M.Tech, (Ph.D.) Head of the Department Associate professor Dept. of Civil Engineering A. DHANA LAKSHMI M.Tech Assistant professor Dept. of Civil Engineering

External Viva Voice Conducted On: 2よい 06・22

Though.
Internal Examiner

Dr. B. Savath Chandra kumar Conline

Comparative Study of NCC and cement concrete with partial replacement of coarse aggregate by jhama Bricks

A PROJECT REPORT

Submitted in partial fulfillment of the requirements for the awards of the degree of

In CIVIL ENGINEERING Submitted By

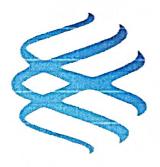
B.K.SRIKANTH (18E91A0112)

V. SRINIVAS (19E95A0116)

D.N.V. BHARATH (19E95A0107)

A. SANAWAR SULTANA (18E91A0110)

Under the esteemed guidance of M.SAMBASIVARAO M.Tech.,(PhD)
Associate Professor & (HOD)



DEPARTMENT OF CIVIL ENGINEERING.
CHIRALA ENGINEERING COLLEGE: CHIRALA
Jawaharlal Technological university, Kakinada, A.P., India.
2018-2022

CHIRALA ENGINEERING COLLEGE: CHIRALA Bonafede Certificate

Certified that this project report "Comparative Study of NCC and cement concrete with partial replacement of coarse aggregate by jhama Bricks" is the Bonafede work of "B.K.SRIKANTH(18E91A0112), ABDUL SANAWAR SULTANA (18E91A0110) V. SRINIVAS (19E95A0116), D.N.V. BHARATH (19E95A0107), P. NARENDRA (18E91A0106)" who carried out project work under my supervision during the year 2021-2022, towards partial fulfillment of the requirements of the degree of Bachelor in Civil Engineering from Jawaharlal Technological university, Kakinada. The results embodied in the report have not been submitted to any other University for the award of any degree.

Signature of the Head of the Department
M.SAMBASIVARAO M.Tech., (PhD),
ASSOCIATE PROFESSOR
DEPARTMENT OF CIVIL ENGINEERING.

Signature of the Supervisor

M.SAMBASIVARAO M.Tech., (PhD),,

ASSOCIATE PROFESSOR

DEPARTMENT OF CIVIL ENGINEERING.

External viva was conducted on: 25.06.22

Internal Examiner

Dr. B. Savath Chandra Kumar (online)

EXPERIMENTAL STUDIES ON M40 GRADE CONCRETE USING RED MUD AS A PARTIAL REPLACEMENT OF CEMENT

A PROJECT REPORT

Submitted in partial fulfilment of the requirements for the awardof the degree of

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

submitted by

B. SAI KUMAR	(19E95A0113)
CH. N.V. SAI KUMAR	(19E95A0109)
A. SAI PRASAD REDDY	(19E95A0115)
S.VINAY PAVAN KUMAR	(19E95A0122)
T. MYNAH	(18E91A0105)

Under the Esteemed Guidance of M.SAMBASIVARAOM.Tech.,(PhD),

Associate Professor,



DEPARTMENT OF CIVIL ENGINEERING.

CHIRALA ENGINEERING COLLEGE: CHIRALA

Jawaharlal Technological university, Kakinada, A.P., India.

2018-2022

CHIRALA ENGINEERING COLLEGE CHIRALA

Bonafide Certificate

Certified that this project report "EXPERIMENTAL STUDIES ON M40 GRADE CONCRETE USING RED MUD AS A PARTIAL REPLACEMENT OF CEMENT" is the Bonafide work of B. SAI KUMAR (19E95A0113), CH.N.V. SAI KUMAR (19E95A0109), A. SAI PRASAD REDDY (19E95A0115), S.VINAY PAVAN KUMAR (19E95A0122),

T,MYNAH (18E91A0105)" who carried out project work under my supervision during the year 2021-2022, towards partial fulfillment of the requirements of the degree of Bachelor in Civil Engineering from Jawaharlal Technological university, Kakinada. The results embodied in the report have not been submitted to any other University for the award of any degree.

M.SAMBASIVARAO M.Tech., (PhD)

ASSOCIATE PROFESSOR **DEPARTMENT OF CIVIL ENGINEERING**

M.SAMBASIVARAO M.Tech.,(PhD)

ASSOCIATE PROFESSOR **DEPARTMENT OF** CIVIL ENGINEERING

External viva voce conducted on: 27.06 · 22

Internal Examiner

External Examiner

Dr. B. Sarath Chandra Kumar (Online)