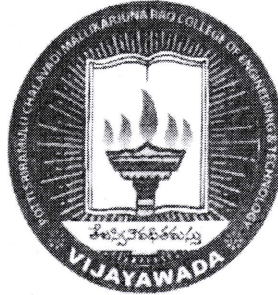


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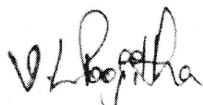


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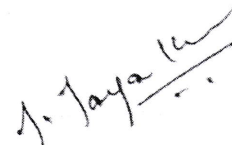
This is to certify that main project titled “EXPERIMENTAL ANALYSIS ON HIGH STRENGTH AUTOCLAVE AERATED CONCRETE BLOCKS” is a bonafied record of work done by

N. HEMALATHA	(17KT1A0132)
V. NARESH	(18KT5A0114)
B. GOWTHAM	(17KT1A0105)
M. SIVA TEJA	(17KT1A0125)
M. NAGENDRA	(17KT1A0123)

under the guidance and supervision of **Mrs. V. LAKSHMI POOJITHA**, M. Tech Assistant **Professor** and submitted in partial fulfillment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year **2020-2021**.



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This is to certify that main project entitled "FATIGUE LIFE PREDICTION OF PRESTRESSED CONCRETE BRIDGE USING SENSORS " is a bonafied record of work done by

V. GURU RUPESH (18KT5A0113)

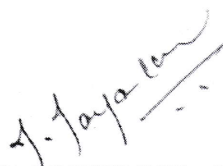
M. AKHIL (18KT5A0107)

K. SUBBA RAO (17KT1A0117)

P. MAHADEVI (17KT1A0137)

under the guidance and supervision of Mr. M. PRUDHVI Assistant Professor and submitted in partial fulfillment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year 2020-2021.


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This is to certify that main project entitled “**STRENGTH STUDIES ON GEOPOLYMER CONCRETE**” is a bonified record of work done by

CH. N. BHUVANESWARI	(17KT1A0106)
KOUSER SYED	(17KT1A0121)
R. KUSHWANTH	(17KT1A0139)
K.S.S DINESH	(17KT1A0120)
B. RAVI TEJA	(17KT1A0102)

under the guidance and supervision of **Mrs. S. SNIGDHA** Assistant Professor and submitted in partial fulfillment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year **2020-2021**.


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This is to certify that main project entitled "VOLUMETRIC ANALYSIS OF STONE QUARRYING USING GEOSPATIAL TOOLS" is a bonafied record of work done by

M.TEJO MEGHANA 17KT1A0128

P.V.L.UDAY KRISHNA 18KT5A0115

G.MAHESH KUMAR 17KT1A0113

S.VEENA MADHURI 17KT1A0149

under the guidance and supervision of Mr. M. SUDHAKAR Assistant Professor and submitted in partial fulfillment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year 2020-2021.


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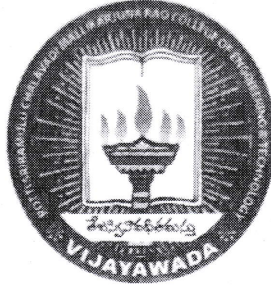
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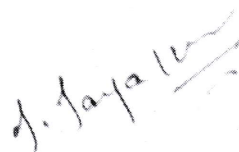
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This is to certify that main project entitled “**PERVIOUS CONCRETE WITH HIGH
MODULUS OF RUPTURE AND HIGH PERMEABILITY**” is a bonafide record of work
done by

SK. KARIMULLA	(18KT5A0111)
SANA.SYED	(17KT1A0141)
SK. KHADEER ALI	(17KT1A0145)
SK. ALIJAN	(17KT1A0143)
T. DINEESHA	(17KT1A0151)

under the guidance and supervision of **Mr. P. VINAY** Assistant Professor and submitted in partial fulfillment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year 2020-2021.


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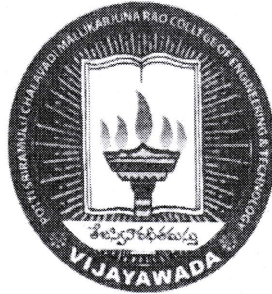
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This is to certify that main project entitled "EFFECT OF SUPER ABSORBENT
POLYMER AND FLYASH ON STRENGTH PROPERTIES OF CONCRETE" is a
bonafide record of work done by

G. RAMA LAKSHMI ANUSHA (17KT1A0110)

P. KARUNA TEJA (17KT1A0136)

G. VASU DEVA KRANTHI KIRAN (17KT1A0111)

A. SURYA TEJA (17KT1A0101)

M. SAI MOUNIKA (17KT1A0127)

under the guidance and supervision of Mrs. S. Naga Bhargavi Assistant Professor and
submitted in partial fulfillment of the requirement for the award of Bachelor of technology in
CIVIL Engineering by Jawaharlal Nehru Technological University, Kakinada during the
academic year 2020-2021.

S.N. Bhargavi
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S. Naga Bhargavi
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This is to certify that main project entitled "MAPPING OF GROUND WATER QUALITY OF NANCHARAMMA CHERUVU, MANGALAGIRI, GUNTUR DISTRICT, ANDHRA PRADESH USING GIS" is a bonafied record of work done by

SK. GOUSE MOHIUDDIN (17KT1A0144)

RAJAGIRI MOUNIKA (17KT1A0138)

SK. RAJA HASAN (18KT5A0112)

V. SAI NARAYANA (17KT1A0153)

BETHAPUDI RAVINDRA (17KT1A0103)

under the guidance and supervision of Mrs, SRI LEKHA Assistant Professor and submitted in partial fulfillment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year 2020-2021.


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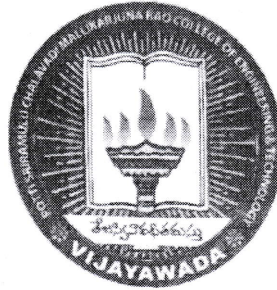
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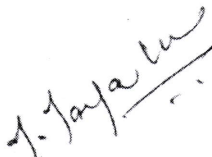


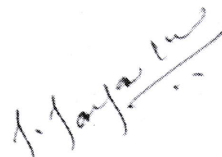
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This is to certify that main project entitled “CORRIDOR IMPROVEMENT PLAN IN VIJAYAWADA CITY” is a bonafied record of work done by

N.PAVAN SURYA	(18KT5A0108)
CH.SRI LAKSHMI	(17KT1A0107)
K.VENKATESH	(18KT5A0103)
J.DIVYA	(17KT1A0114)
P. SIVA SAI TEJA	(17KT1A0134)

under the guidance and supervision of **Dr. J. JAYA KRISHNA**, Assistant Professor and submitted in partial fulfillment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year 2020-2021.


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This is to certify that main project entitled "APPLICATION OF FRP LAMINATES IN RETROFITTING THE CONCRETE STRUCTURES" is a bonafied record of work done by

R. PRAVEEN KUMAR	(17KT1A0140)
P. MANIKANTA SWAMI	(17KT1A0126)
K. MADHAV	(17KT1A0118)
T. CHANDHANA	(17KT1A0152)
B. SAI KOUSIK	(17KT1A0104)

under the guidance and supervision of Mrs. S. NAGA BHARGAVI Assistant Professor and submitted in partial fulfillment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year 2020-2021.

S.N. Bhargavi
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J. Jayaram
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This is to certify that main project entitled is a "CALIBRATION OF CROP WATER CONSUMPTION OF LOWER MANAIR CHATCHMENT AREA USING SEBAL" bonafied record of work done by

CH. RAM PRIYA	(17KT1A0108)
P. BALA SARASWATHI	(17KT1A0135)
K. SAI PRAKESH	(18KT5A0105)
DHEERAJ BOLISSETTY	(17KT1A0109)
V. KRISHNA CHAITANYA	(17KT1A0154)

Under the guidance and supervision of **Mr. M. Sudhakar** Assistant professor and submitted in in partial fulfilment of the requirements for the award of bachelors of technology in **CIVIL ENGINEERING** by Jawaharlal Nehru technological University Kakinada during the academic year of 2020 – 2021


Mr. M. Sudhakar

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Prof Dr. J. JAYA KRISHNA

Head of the Department

External Examiner

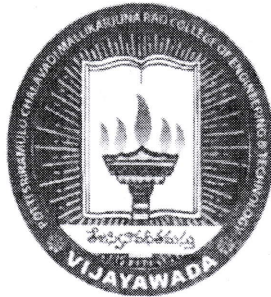

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This is to certify that main project titled "USE OF GEOGRID IN ASPHALT PAVEMENT FOR STRENGTHENING AND REDUCING THE ROADWAY STRUCTURAL SECTION" is a bonafied record of work done by

M. VAMSI KRISHNA	(17KT1A0130)
SHAIK NADEEM	(17KT1A0147)
ABDUL IMRAN	(18KT5A0101)
S. MAHENDRA	(17KT1A0142)
SHAIK BASHA	(17KT1A0146)

under the guidance and supervision of **Mrs.S.SNIGDHA** Assistant Professor and submitted in partial fulfillment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year 2020-2021.

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COMPRESSION STRENGTH OF CONCRETE USING ARTIFICIAL NEURAL NETWORK (ANN) IN MATLAB

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This is to certify that main project entitled "COMPRESSIVE STRENGTH OF CONCRETE USING ARTIFICIAL NEURAL NETWORK (ANN) in MATLAB" is a bonafied record of work done by

SYED NIHA PARVEEN (17KT1A0150)

K.V.N SAI KIRAN (18KT5A0106)

K. TIRUPATHI RAO (18KT5A0104)

M. TEJA VARMA (17KT1A0124)

K. RAJESH (17KT1A0119)

under the guidance and supervision of **Mrs. V. LAKSHMI PUJITHA** Assistant Professor and submitted in partial fulfillment of the requirement for the award of Bachelor of technology in **CIVIL Engineering** by Jawaharlal Nehru Technological University, Kakinada during the academic year 2020-2021.

V.L. Pujitha
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V. Jaya Kumar
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING




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This is certify that main project titled "ANN BASED D-FACTS FOR POWER QUALITY
ENHANCEMENT IN MICROGRID" is a bonafide record of work done by

P. NAGA SIRISHA	(17KT1A0229)
P. LIKHITHA	(17KT1A0221)
G. JANAKI RAMUDU	(18KT5A0204)
M. RAKESH	(17KT1A0224)

Under the guidance and supervision of Mrs. B.JYOSTNA submitted in partial fulfillment of the
requirement for the award degree of Bachelor of Technology in Electrical and Electronics
Engineering by JNTUK during the academic year 2020-2021.


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ENGINEERING**



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This is to certify that main project titled "ANFIS based Grid interfaced DFIG – WECS for Power Smoothing" is a bonafide record of work done by

P.S.N.V.S.S.SUNDAR	(17KT1A0235)
K.D.VIJAYA LAKSHMI	(17KT1A0218)
P.HAFSA AHAMED	(17KT1A0234)
CH.KOMAL SUDHAKAR	(17KT1A0205)

Under the guidance and supervision of Mrs. A. Sai Pallavi M.Tech and submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2020-2021

Sai Pallavi A.
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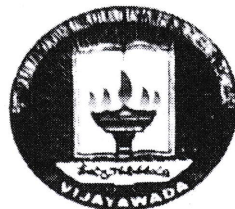
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This is certify that main project titled "A SUPERLATIVE HYBRID FUZZY CONTROLLED ZSI-DSTATCOM FOR PEV CHARGING STATIONS" is a bonafide record of work done by

CH. MALLIKA

(17KT1A0207)

MD. JILANI

(18KT5A0206)

B. HARISH

(18KT5A0201)

B. SAI VENKAT

(17KT1A0204)

Under the guidance and supervision of Mr. P. MANOJ KUMAR and submitted in partial fulfilment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2020-2021.


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This is certify that main project titled "FLC BASED PERFORMANCE ANALYSIS OF HIGH-VOLTAGE GAIN DC-DC CONVERTER FOR INDUCTION MOTOR DRIVE" is a bonafide record of work done by

T.SAI KUMARI	(18KT5A0211)
V.S CHANDRASEKHAR	(18KT5A0212)
P.N VARA PRASAD	(17KT1A0233)
K. VIMALAKAR	(17KT1A0215)

Under the guidance and supervision of Mr. K. NARENDRA and submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2020-2021.

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This is certify that main project titled "POWER MANAGEMENT SCHEME FOR PV
BASED MICROGRID USING MPPT CONTROLLER" is a bonafide record of work done
by

P.BHAVANI	(17KT1A0231)
D.BINDU SRI	(17KT1A0208)
R.RAJESH	(18KT5A0210)
CH.KIRAN KUMAR	(18KT5A0216)

Under the guidance and supervision of Mr. K. P. PRASAD RAO and submitted in partial
fulfillment of the requirement for the award degree of Bachelor of Technology in Electrical and
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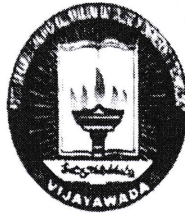

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This is certify that main project titled "Power Quality Improvement in DFIG based Microgrid Using ANN Controller" is a bonafide record of work done by

R. DEVI SESANKA	(17KT1A0239)
B. MALLESWARI	(17KT1A0203)
K. G. B. L. MANIPRIYA	(17KT1A0216)
G. DURGA MANIKANTA	(17KT1A0211)

Under the guidance and supervision of Mr. K. P. Prasad Rao and submitted in partial fulfilment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2020-2021


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Potti Sriramulu Chalavadi Mallikarjuna Rao
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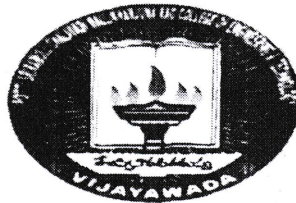


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COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE New Delhi, Affiliated to JNTU-KAKINADA)
KOTHAPET, VIJAYAWADA-520001
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



CERTIFICATE

This is certify that main project titled "DESIGN OF THREE PHASE HIGH VOLTAGE GAIN CONVERTER FOR FUEL CELL" is a bonafide record of work done by

A. MEGHA VARSH	(18KT5A0215)
N. DURGA PRASAD	(18KT5A0207)
M. POOJITHA	(17KT1A0226)
M. MADHURI	(17KT1A0220)

Under the guidance and supervision of Mr.K.SRINIVAS and submitted in partial fulfilment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2020-2021.


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



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M. POOJITHA	(17KT1A0226)
M. MADHURI	(17KT1A0220)

Under the guidance and supervision of Mr.K.SRINIVAS and submitted in partial fulfilment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2020-2021.


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This is certify that main project titled **"POWER QUALITY ENHANCEMENT USING HYBRID POWER FILTERS"** is a bonafide record of work done by

POTNURI NAGA JYOTHI	(17KT1A0238)
ADAPAKA ABHINAV	(18KT5A0214)
SIMMA ANITHA	(17KT1A0245)
TAMMINA CHANDANA SRI	(17KT1A0247)

Under the guidance and supervision of Dr. Y. RAJENDRA BABU and submitted in partial fulfilment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2020-2021.

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CERTIFICATE

This is certify that main project titled **"SPACE VECTOR MODULATION
BASED 31-LEVEL MULTI LEVEL INVERTER FOR NON-LINEAR LOADS"** is
a bonafide record of work done by

S.T.L.SRAVANTHI

(17KT1A0246)

B.VAMSI KRISHNA

(18KT5A0202)


CH.SRINIVASA RAO

(17KT1A0206)

Y.ROHIT TONY

(17KT1A0249)

Under the guidance and supervision of Mr. P. MANOJ KUMAR and submitted in
partial fulfillment of the requirement for the award degree of Bachelor of Technology in
Electrical and Electronics Engineering by JNTUK during the academic year 2020-2021.


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College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.**

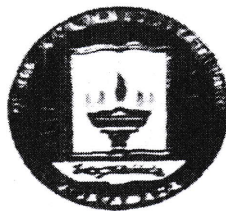
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This is certify that main project titled "ANN BASED POWER QUALITY ENHANCEMENT OF GRID-CONNECTED SOLAR PV SYSTEM USING LCL FILTER" is a bonafide record of work done by

G. DIVYA SRI

(17KT1A0212)

R. CHAITANYA

(18KTSAM203)

P. SAIKUMAR

(17KT1A0223)

M.N.P.S. JAYANTH

(17KT1A0223)

Under the guidance and supervision of Dr. V. RAJENDRA BABU and submission in partial fulfillment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2016-2017.

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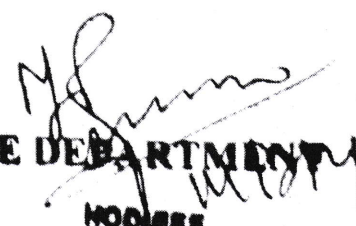
CERTIFICATE

This is to certify that the main project titled "A NEW TOPOLOGY FOR REACTIVE POWER COMPENSATION IN GRID-CONNECTED PV SYSTEM" is a bonafide record of work done by

M. PAVANI DURGA	(17KT1A0225)
P. GOWTHAMI	(17KT1A0232)
SAIPOOJITHA. Y	(17KT1A0240)
G. RAMU	(17KT1A0214)

Under the guidance and supervision of Mr. A. SEKHAR SUNIL and submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2020-2021


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This is certify that main project titled "MODELING AND CONTROL OF SVM BASED MULTIPOINT CONVERTER FOR PV BASED EV CHARGING STATION" is a bonafide record of work done by

SEELA.MOHAN

(17KT1A0241)

ALAKUNTA LAKSHMI SAI

(17KT1A0201)

SHAIK MASTHAN VALI

(17KT1A0244)

SHAIK JALEEL AHAMMAD

(17KT1A0243)

Under the guidance and supervision of **Mr. K. NARENDRA** and submitted in partial fulfilment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2020-2021


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Kakinada) KOTHAPET, VIJAYAWADA-520001
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ENGINEERING



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This is certify that main project titled "A NOVEL REDUCED SWITCH MLI TOPOLOGY FOR GRID TIED-SOLAR PV SYSTEM" is a bonafide record of work done by

V.VENKATA SAI BHAVANI	(17KT1A0248)
D.UMA ANJALI	(17KT1A0209)
K.JAGADEESH	(17KT1A0219)
V.VAMSI	(17KT1A0251)

Under the guidance and supervision of Mrs.R JAYA LAKSHMI and submitted in partial fulfilment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2020-2021


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This is certify that main project titled "POWER QUALITY IMPROVEMENT IN WECS USING FUZZY - STATCOM" is a bonafide record of work done by

K. DURGA PRASAD

(17KT1A0217)

P. AVINASH

(18KT5A0208)

SK. BAJI BABU

(17KT1A0242)

Y. PRAVALLIKA

(17KT1A0250)

Under the guidance and supervision of Mr. N. Saida Naik submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2020-2021.


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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**



CERTIFICATE

This is certify that main project titled " NEURO-FUZZY BASED GRID-TIDE
PV SYSTEM WITH ACTIVE POWER FILTER FOR POWER QUALITY
ENHANCEMENT" is a bonafide record of work done by

M.VAIBHAVI	(17KT1A0227)
G.SRAVANI DURGA	(17KT1A0213)
V.SRUTHI	(18KT5A0213)
L.S.P SUBHASH	(17KT1A0222)

Under the guidance and supervision of Mr.A.SEKHAR SUNIL and submitted in
partial fulfillment of the requirement for the award degree of Bachelor of
Technology in Electrical and Electronics Engineering by JNTUK during the
academic year 2020-2021

A. Sekhar Sunil
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M. Sekhar Sunil
HEAD OF THE DEPARTMENT

[Signature]
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[Signature]
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This is certify that main project titled **"FUZZY BASED UNIFIED POWER FLOW CONTROLLER UNSING A POWER ELECTRONICS INTEGRATED TRANSFORMER"** is a bonafide record of work done by

K. NAVYASRI	(18KT5A0205)
G. LAKSHMI THIRUPATHAMMA	(17KT1A0210)
P. VIJAY KUMAR	(17KT1A0237)
P. RAMYA	(17KT1A0236)

Under the guidance and supervision of Mr. K. KIRAN KUMAR and submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in Electrical and Electronics Engineering by JNTUK during the academic year 2020-2021


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Raghava reddy Street, Kothapeta, Vijayawada-520001, A.P.

DEPARTMENT OF MECHANICAL ENGINEERING

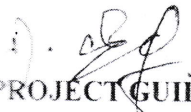


CERTIFICATE

This is to certify that this project report entitled "EFFECT OF NANO PARTICLES AND EGR ON A DIESEL ENGINE FUELED WITH WASTE PLASTIC OIL" Is a bonafide record of work being submitted by

J. SRAVAN KUMAR	17KT1A0311
K. SAINATH	18KT5A0307
J.SAI GANESH	18KT5A0304
G. EMMANUEL	17KT1A0309
K. SIVANAGA RAJU	18KT5A0305
Y. KALYAN	17KT1A0339

Under the guidance of **Sri. D. PRASAD**, Assistant professor submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in MECHANICAL ENGINEERING by JNTUK during the academic year 2020-2021


PROJECT GUIDE

D. PRASAD M. Tech., MISTE


HEAD OF THE DEPARTMENT

Dr. Md. ABID ALI, Ph. D

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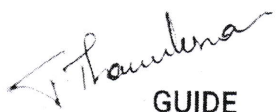


CERTIFICATE


This is certify that the project entitled "BIOMECHANICS OF BONE FRACTURE
FIXATION WITH STIFFNESS GRADED PLATES IN COMPARISON WITH VARIOUS
MATERIAL USING ANSYS" is bonified Record of work done by

S. SRINIVASA RAO	18KT5A0313
T. POORNA ANIL	18KT5A0314
D.THANUSHA	17KT1A0301
MD. IRFAN	17KT1A0321
R. HEMANTH KUMAR	17KT1A0310
S. DURGA SAI	17KT1A0326

Under my guidance and supervision, submitted to fulfillment of the requirements for
the award of bachelors of technology in department of MECHANICAL ENGINEERING
by during the academic year 2020-2021.


GUIDE

J. THARUN KUMAR M. TECH


HEAD OF THE DEPARTMENT
(Dr. Md. ABID ALI M. TECH Ph. D)


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Raghavareddy Street, Kothapeta, Vijayawada-520001, A.P

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This is to certify that the project titled "ANDROID CONTROLLED AUTOMATIC JACK SYSTEM FOR VEHICLE" is a bonafide record of work done by

M.SATISH	17KT1A0318
L.MURALI SRINU SAI	17KT1A0316
P.BHARGAV	17KT1A0324
T.JAMALAYYA	17KT1A0334
V.SAI GOPAL	17KT1A0337
E.KAMALA TEJANI	18KT5A0302

Under the guidance of Sri. T. VIJAY SRIHARSHA, submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in MECHANICAL ENGINEERING by JNTUK during the academic year 2020-2021



PROJECT GUIDE
Sri. T.VIJAY SRIHARSHA (M.Tech., MISTE, MIAENG)



HEAD OF THE DEPARTMENT
Dr. Md. ABID ALI, (M. Tech, Ph. D)

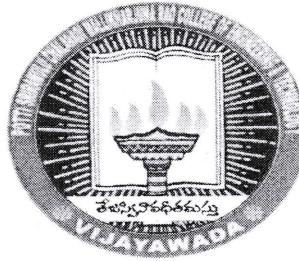

PRINCIPAL
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DEPARTMENT OF MECHANICAL ENGINEERING



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This is to certify that the project titled "FOOT STEP POWER GENERATION USING RACK AND PINION MECHANISM" is a bonafide record of work done by

CH. HEMA LOHITH KUMAR	17KT1A0349
J. VENKATESWARLU	18KT5A0316
K. NAVEEN REDDY	17KT1A0352
K. REVANTH SAI RAM VARMA	17KT1A0377
V. RAJU	17KT1A0376
S. GOKUL VARMA	17KT5A0370

Under the guidance of Sri. T. RAJA RAO, submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in MECHANICAL ENGINEERING by JNTUK during the academic year 2020-2021

T. Rajarao

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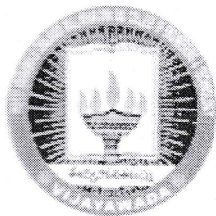
Sri. T.RAJA RAO, M. TECH

[Signature]

HEAD MECHANICAL ENGINEERING
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapeta, VIJAYAWADA-520 001

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Website: www.pscmr.ac.in, Contact Number: 91 - 866 - 2423442

CERTIFICATE

This is to certify that the project entitled "**FABRICATION OF CHEMICAL
SPRAYER**" is bonafied work done

BY

A.G.V.MANIKANTA REDDY	(17KT1A0304)
P.BHASKAR SAI NADH	(17KT1A0323)
U.PRAVEEN KUMAR	(18KT5A0315)
K. HARI KRISHNA PRASAD	(18KT5A0308)
V. MEENA MANOHAR	(17KT1A0336)
SK.SHOAIB AKTHAR	(17KT1A0331)

In partial fulfillment of the requirements for the award of the degree of Bachelor of technology in
Mechanical Engineering during the academic year 2020-2021.

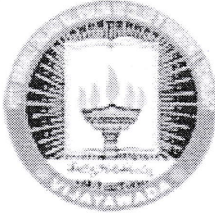

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Website: www.pscmr.ac.in, Contact Number: 91 - 866 - 2423442

CERTIFICATE


This is to certify that the project entitled
"DESIGN AND ANALYSIS OF HEAT PIPE USING ANSYS "

BY

G. ANIL	18KT5A0303
K. BHARATH SIMHA REDDY	17KT1A0313
J. PAVAN PRASAD	17KT1A0312
B. RENUKAIAH	17KT1A0306
S. PRAVEEN	17KT1A0327
K. DAMODAR REDDY	17KT1A0314

In partial fulfillment of the requirements for the award of the degree of Bachelor of
technology in Mechanical Engineering during the academic year 2020-2021.


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This to certify that the project work entitled on "**Design And Static Analysis Of Automotive V8 Engine Cylinder Block**" is a bonafide record of work carried out by

N.V.SIVA SAI PRABHU	17KT1A0356
MD.MOHIUDDIN KHAN	18KT5A0318
P.LEELA PRASAD	17KT1A0360
M.GOPI KRISHNA	17KT1A0354
A.SREEKAR	17KT1A0341
D.NAVEEN	17KT1A0350

Undergraduate students of **Mechanical Engineering**. We here by accord our approval of it as study carried out and presented manner required for its acceptance in partial fulfilment for the **Under Graduate Degree** for which it has been submitted. This approval does not necessarily endorse or accept every statement made, opinion expressed or conclusion drawn as recorded in this thesis.

It only signifies the acceptance of the thesis for the purpose for which it is submitted.

PROJECT GUIDE



V. CHANDRIKA M.Tech

Assistant Professor

HEAD OF DEPARTMENT



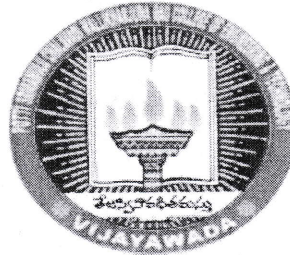
DR. MD. ABID ALI M.Tech., (Ph.D)

PRINCIPAL

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EXTERNAL EXAMINER

**POTTI SRIRAMULU CHALAVADI MALLIKARJUNARAO
COLLEGE OF ENGINEERING AND TECHNOLOGY**



CERTIFICATE

This is to certify that we have examined thesis entitled
**"DESIGN AND BIOMECHANICAL ANALYSIS OF FEMUR
BONE FRACTURE BY USING ANSYS"**

By


KADIYAM GOWTHAM	(17KT1A0351)
CHILUVURU SAMEER VENKAT	(17KT1A0348)
NEELAM DURGA VINAY MANIKANTA KUMAR	(17KT1A0357)
SURE VENKATA SAI KRISHNA	(17KT1A0375)
PAPPU BHARATH TEJA	(17KT1A0361)
P. YAGNA VAMSI ABHISHEK LAKSHMAN KUMAR	(17KT1A0364)

In partial fulfillment of the requirements for the award of the Degree of
Bachelor of Technology in Mechanical Engineering during the academic
year 2020-2021.

Project Guide


M. YESU RATNAM, M.Tech

Head of the Department


Md. ABID ALI M.Tech, Ph.D.
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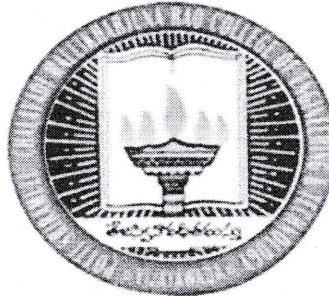

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DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

This is to certify that the project work entitled “ **STATIC AND MODEL ANALYSIS OF CAM SHAFT USING FEM WITH DIFFERENT MATERIALS AND ESTIMATE THE SERVICE LIFE** ” is a bonafide work carried out by **MR. KOLAPALLI MAHESH (17KT1A0353), MR. RELANGI SAI GANESH (17KT1A0365), MR. SHAIK ASHIK (17KT1A0368), MR. SURAPANENI PRADEEP (17KT1A0369), MR. BAPANAPALLI VINAY (17KT1A0344) MR. MANGALAGIRI PRAVACHAN (17KT1A0355)**. Fulfillment for the award of the degree of Bachelor of Technology in **MECHANICAL ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2020-2021**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

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Page 2

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DEPARTMENT OF MECHANICAL ENGINEERING



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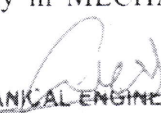
K. SAI RAM	18KT5A0317
P. PRUDHVI RAJ	17KT1A0363
P. SAI MANIKANTA	17KT1A0362
S. DURGA PRASAD	17KT1A0367
P. D. S. S MANOJ	17KT1A0359
B. OMKAR	17KT1A0346

Under the guidance of Sri. T. VIJAY SRIHARSHA, submitted in partial fulfillment of the requirement for the award degree of Bachelor of Technology in MECHANICAL ENGINEERING by JNTUK during the academic year 2020-2021


PROJECT GUIDE

Sri. T. VIJAY SRIHARSHA, M.Tech., MISTE, MIAENG

T. Vijay Sriharsha, M.Tech., MISTE, MIAENG
Professor


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EXTERNAL EXAMINER

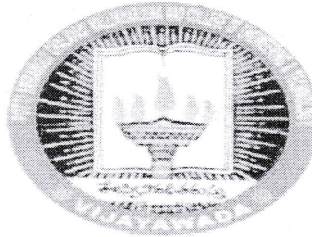

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**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE
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Approved by A.C.I.T.E New Delhi, affiliated to Jawaharlal nehru technological
university,kakinada vijayawada,krishna (dist.) pin code:520001

DEPARTMENT OF MECHANICAL ENGINEERING



Certificate

This is to certify that we have examined thesis entitled

"FABRICATION OF AUTOMATED DRAIN DUST COLLECTOR" is
bonafied work done

Submitted by

M. ARUN KUMAR	17KT1A0319
A. RAJASEKHAR	17KT1A0305
G. BHAVANA KRISHNA	17KT1A0308
V. UDAY SAI KUMAR	17KT1A0338
T. KALYAN	17KT1A0335
A. VEERABABU	17KT1A0303

In partial fulfillment of the requirements for the award of degree of bachelor of
technology in mechanical engineering during academic year 2020-2021.

Ch. Saagwathi

Project guide

[Signature]

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Kothapet, VIJAYAWADA-520 001.

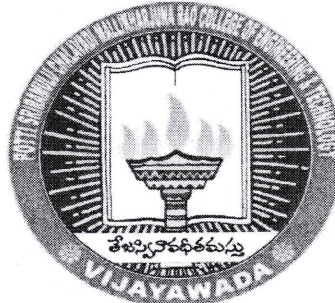
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POTTI SRIRAMULU CHALAVADI MALLIKARJUN RAO

COLLEGE OF ENGINEERING AND TECHNOLOGY

Department Of Mechanical Engineering



CERTIFICATE


This is to certify that the project work entitled "DESIGN OF ATMOSPHERIC WATER GENERATOR" is the bonafide work done by


SK. YOUNIS	18KT5A0312
K.N.YASWANTH	17KT1A0315
SK.ABDUL WASIM	17KT1A0328
SK RASHEED	17KT1A0330
P.KIRAN KANTH	17KT1A0322
R.SUBHASH	17KT1A0325

In particular fulfilment of the requirement for the award of the degree of bachelor of technology in mechanical engineering during the academic year 2020-2021

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B. NARENDRA, M.Tech


Dr. MD. ABID ALI, Ph.D. Professor & Head
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EXTERNAL EXAMINAR

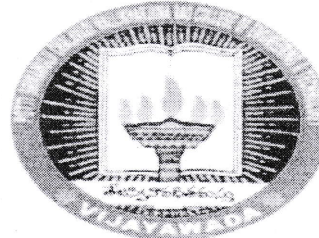
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OF ENGINEERING AND TECHNOLOGY**

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Vijayawada, Krishna (Dist.) PIN: 520001.

DEPARTMENT OF MECHANICAL ENGINEERING



Certificate

This is to certify that we have examined thesis entitled

**“DESIGN AND ANALYSIS OF SELF BALANCING CYCLE”
(GYRO-CYCLE)**

Submitted by

S.BHARATH SIMHA	:	17KT1A0332
K.SAI NIKHIL	:	18KT5A0311
M.ROHITH	:	17KT1A0317
D.V.N.SATHEESH KUMAR	:	17KT1A0307
M.SOWJANYA	:	17KT1A0302
B.RAJESH	:	18KT5A0301

Undergraduate students of Mechanical Engineering. We here by accord our approval of it as a study carried out and presented in manner required for as acceptance in partial fulfillment for the under graduate degree for which it has been submitted. This approval does not necessarily endorse or accept every statement made, opinion expressed or conclusion drawn as recorded in this thesis. It only signifies the acceptance of the thesis for the purpose for which it is submitted.


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Dr. ABID ALI M.Tech, Ph.D

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DEPARTMENT OF
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CERTIFICATE

This is to certify that this main project titled "SMART SENSING AND MONITORING OF HEALTH USING IOT" is a record of work done jointly by G. HARI PRIYA (17KT1A0429), P. BHAVANI SAI (17KT1A0449), ARUNA GOWRI SAI. Y (17KT1A0408), E. RAMYA (17KT1A0424) under the guidance and supervision of Mrs. G MARY SILVYA M.Tech and submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Project Guide

sa
Mrs. G MARY SILVYA M.Tech

Arav
Head of the Department

Dr. A. RAVI M.Tech

Ph.D

External Examiner

PR
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NER



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that this main project titled "DESIGN OF SMART MASK FOR PROTECTION AGAINST COVID-19" being submitted by A.NAGA VENKATA KUMAR(17KT1A0463), I.S.V.RAGHAVA(17KT1A0478), CH.SAILATHA(17KT1A0471), M.JAYA KRISHNA (17KT1A0494) under the guidance and supervision of V.Leela Satyanarayana and in partial fulfilment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY to the Jawaharlal Nehru technological university, Kakinada is a record of bonfire work carried out under my guidance and supervision.

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

V.L.S.
19/7/21
Project Guide

V.Leela Satyanarayana

External Examiner

A.Ravi
19/7/21
Head of the Department

Dr. A. RAVI

P.S.
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11

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DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING
(Accredited by NAAC & NBA)


CERTIFICATE

This is to certify that this main project titled "DESIGN AND ANALYSIS OF MODIFIED STEPPED IMPEDANCE LOW PASS FILTER WITH 2.4 GHz UPPER CUT-OFF FREQUENCY" is a record of work done jointly by G. LAKSHMI DEVI (17KT1A0427), B. LEKHYA (17KT1A0417), B. SUPRIYA (17KT1A0413), CH. SAI MANIKANTHA

(18KT5A0405) under the guidance and supervision of Mr.G. NAGENDRA BABU and submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.


 Project Guide
Mr. G. NAGENDRA BABU


 Head of the Department
Dr. A. RAVI

External Examiner


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CERTIFICATE

This is to certify that the project report entitled "SMART ELECTRONIC VOTING SYSTEM" being submitted by, B. Kusuma Lahari(17KT1A0468), Sk. Javed Basha(17KT1A04C0), Mohammad Ashraf Ali (17KT1A0491), G. Bala Ganesh (17KT1A0491) in partial fulfilment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out under my guidance and supervision.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Project Guide

Mr. K. SUNDAR SRINIVAS

Head of the Department

Dr. A. RAVI

External Examiner

PRINCIPAL

**Potti Sriramulu Chalavadi Mallikarjuna Rao
College of Engineering & Technology
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**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled "IOT BASED CONTACTLESS TEMPERATURE CHECK AND MASK DETECTION GATE" being submitted by

ROHITH A	17KT1A0403
YAMINI A	17KT1A0404
BHANU PRIYA M	17KT1A0440
RAM SAI A	17KT1A0401

in partial fulfilment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** to the Jawaharlal Nehru Technological University, Kakinada is a record of bona fide work carried out under my guidance and supervision.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.



Project Guide

Ms J. ANUSHA

Head of the Department

DR. A. RAVI

External Examiner


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CERTIFICATE

This is to certify that this main project titled "UNDERWATER HEALTH MONITORING DEVICE" is a record of work done jointly by TAJSAKEENA SK (17KT1A0453), BHARGAVI A (17KT1A0405), SANDEEP P (17KT1A0450), MOBEENA SK (18KT5A0411) under the guidance and supervision of Miss R. DURGA BHAVANI and submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021. The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

B. Anitha

Mrs B. ANITHA

Dr. Ravi
19/7/21
Head of the Department

Dr. RAVI

External Examiner

[Signature]
PRINCIPAL

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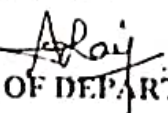
CERTIFICATE

This is to certify that this main project report titled "IOT BASED SMART DRAINAGE SYSTEM" is a record of work done jointly by T.VENKATA VARA LAKSHMI(17KT1A04B3), P.RAMYA(17KT1A04A0), MD.RIZWAN(17KT1A0492) and K.SURYA TEJA(17KT1A0482) under the guidance and supervision of Dr.A.RAVI and submitted in partial fulfillment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.


PROJECT GUIDE

Dr.A.RAVI


HEAD OF DEPARTMENT

Dr.A.RAVI

External Examiner


PRINCIPAL

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This is to certify that this main project titled "IOT BASED MULTI-PURPOSE ROBOT FOR MILITARY APPLICATIONS" is a record of work done jointly by DEVIPRIYANKA.A(17KT1A0406), SRAVYA.CH(17KT1A0418), DISOW J.A.K(18KT5A0408), KEERTIL.K(17KT1A0435) under the guidance and supervision of Dr.A.RAVI and submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.


 Project Guide
Dr.A.RAVI


 Head of the Department
Dr.A.RAVI

External Examiner


PRINCIPAL
 Potti Sriramulu Chalavadi Mallikarjuna Rao
 College of Engineering & Technology
 Kothapet, VIJAYAWADA-520 001.

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**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled as "AUTOMATIC COVID TEST REGISTRATIONS AND CROWD MANAGEMENT" being submitted by V.VENNELA (17KT1A0459), B.SASHMITA (17KT1A0410), MJYOTHIRMAI DEVI (17KT1A0443), SK.RAHAMATUNNISA (17KT5A0452) in partial fulfilment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY to the Jawaharlal Nehru technological university, Kakinada is a record of bonafide work carried out under my guidance and supervision.

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

Project Guide

Dr. J. LAKSHMI NARAYANA

Head of the Department

Dr. A. RAVI

External Examiner

PRINCIPAL

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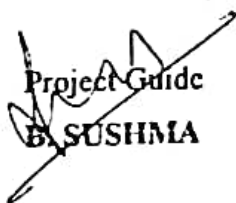



COLLEGE CODE : PSCV [EAMCET, ECET, ICET, POLYCET]

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "SMART DOOR LOCK SECURITY SYSTEM USING RASPBERRY PI & QR CODE" being submitted by A.SIREESHA (17KT1A0402), A.VANI SRI (18KT5A0401), B.ESWAR KUMAR (18KT5A0402) and M.LAKSHMI GANESH (17KT1A0444) in partial fulfillment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out under my guidance and supervision. The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.


 Project Guide
B. SUSHMA


 Head of the Department
Dr. A. RAVI

External Examiner


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This to certify that the project report entitled as "SMART LANDMINE DETECTION ROBOT USING ARDUINO MICROCONTROLLER" being submitted by L.Mounika (17KT1A0431), K.Divya (17KT1A0421), Ch.Kousalya (17KT1A0419), L.Baby Kruthi (18KT5A0409) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out under my guidance and supervision.

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



Project Guide

Ms.D.Gowthami


Head of the Department

Dr.A.Ravi

External Examiner


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

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 ACCREDITED BY NBA FOR COLLEGE ENGINEERING & TECHNOLOGY - NAAC ACCREDITED
 CONTACT : 0866 2511111, 0866 2511112, 0866 2511113, 0866 2511114






college code: PSGV (EAMCET, ECET, ICET, POLYCET)

**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING (Accredited by NAAC &
NBA)**

CERTIFICATE

This is to certify that this main project titled "SMART ATTENDANCE SYSTEM USING FACE RECOGNITION" is a record of work done jointly by BH. BHASWANTHI (17KT1A0469), D. SUMANTHI (17KT1A0474), A. RISHVENDRA (18KT5A0413), R. SAI DIVYA (17KT1A04A6) under the guidance and supervision of Mrs. G.M.G. MADHURI and submitted in partial fulfilment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021. The results embodied in this Project report have not been submitted to any other university or institution for the award of any degree or diploma.


 Project Guide

Mrs. G.M.G. MADHURI


 Head of the Department

Dr. A. RAVI

External Examiner


PRINCIPAL

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College of Engineering & Technology
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POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO

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ALL REE-TECHNICALS, POLY-TECHNICALS, B.TECH, M.TECH, ALL DEGREE

DEGREE, DIPLOMA, B.TECH, M.TECH, ALL DEGREE

COLLEGE CODE: PSCV (EAMCET, ECET, ICET, POLYCET)

NBA



**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING (Accredited
by NAAC & NBA)**

CERTIFICATE

This is to certify that this main project titled "NDVI AND NDWI BASED LU/LC CHANGE DETECTION OF VISAKHAPATNAM CITY, ANDHRA PRADESH USING LANDSAT8 DATA" is a record of work done jointly by A. NAGA BHAVANI (17KT1A0465), G. KALYANI TEJASREE (17KT1A0476), A.MADHURI DIKSHITHA (17KT1A0464), SYED AZMAL BASHA (17KT1A04B1) under the guidance and supervision of Mrs. A.V. KIRANMAI and submitted in partial fulfilment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Project Guide
A.V. Kiranmai
Mrs. A.V. KIRANMAI

A. Ravi
Head of the Department
Dr. A. RAVI

External Examiner

[Signature]
PRINCIPAL
Potti Sriramulu Chalavadi Mallikarjuna
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POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO

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ACCREDITED BY NAAC FOR COLLEGE EDUCATION & PGDIP, ACCREDITED

CONTACT: 0866-2333333, 0866-2333334, 0866-2333335, 0866-2333336, 0866-2333337

COLLEGE CODE: PSCV (EAMCET, ECET, ICET, POLYCET)

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**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING (Accredited
by NAAC & NBA)**

CERTIFICATE

This is to certify that this main project titled "A NOVEL 6G COMMUNICATION BASED RESCUE SYSTEM" is a record of work done jointly by N. SUSHANTHI (17KT1A0498), M.D. CHAKRADHAR (17KT1A0495), B. HARIKA ANURAG (18KT5A0414), L.V.S SAI PRASAD (17KT1A0487) under the guidance and supervision of Mrs. D. GOWTHAMI and submitted in partial fulfilment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Project Guide

Mrs. D. GOWTHAMI

28/10/21

Head of the Department

Dr. A. RAVI

External Examiner

PRINCIPAL

**Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.**

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COLLEGE CODE: PSCV [EAMCET, ECET, ICET, POLYCET]

DEPARTMENT OF
ELECTRONICS AND COMMUNICATION
ENGINEERING
(Accredited by NAAC & NBA)

CERTIFICATE

This is to certify that this main project titled "CAMPUS AUTOMATION SYSTEM" is a record of work done jointly by B.RAVANTHI (17KT1A0470), K.MOUNIKA (17KT1A0481), SK.ABDUL MAAJID (17KT1A04A8), D.JAINAVI NAGA RAJA RAJESWARI (17KT1A0473) under the guidance and supervision of Mr. K.RAGHAVENDRA RAO and submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.


Project Guide

Mr. K. RAGHAVENDRA RAO


Head of the Department
Dr. A. RAVI

External Examiner



PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

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COLLEGE CODE: PSCV [EAMCET, ECET, ICET, POLYCET]

**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled as "SMART CARS FOR SAFE DRIVING" being submitted by **L.D.SRI HARSHA (17KT1A0485), V.HEMASAI (17KT1A04B8), SK.SHAHABAZ (17KT1A04A9)** in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** to the Jawaharlal Nehru technological university, Kakinada is a record of bonafide work carried out under my guidance and supervision.

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

N. Mounika
Project Guide

Ms.N MOUNIKA

A.Ravi 16/10/21
Head of the Department
Dr. A. RAVI

External Examiner

PRINCIPAL

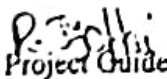
Potti Sriramulu Chalavadi Mallikharjuna Rao
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Kothapet, VIJAYAWADA-520 001.

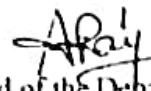
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	COLLEGE CODE: PSGV/[EAMCET/ECET/ICET/POLYCET]	

DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING
(Accredited by NAAC & NBA)
CERTIFICATE

This is to certify that this project report titled "CATTLEYA ORCHID FLOWER SHAPE
 MICROSTIP PACTH ANTENNA FOR WIRELESS COMMUNICATION" is a record of
 work done jointly by MD. SHAHISTA ADIBA (17KT1A0493), N.SAISRINIVAS
 (18KT510419), M. CHARITHA SRI (17KT1A0490) & V.N.S.G BHARGAV
 (18KT5A0416) under the guidance and supervision of R.JYOTHI M.TECH and submitted in partial
 fulfillment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY
 Electronics And Communication Engineering to the Jawaharlal Nehru Technological University,
 Kakinada during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other
 university or institution for the award of any degree or diploma


 Project Guide
R.JYOTHI


 Head of the Department
Dr. A. RAVI

External Examiner


PRINCIPAL

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ACCREDITED BY NAAC, EQUIS, AACSB, AMBA, ISO 9001:2015, ISO 14001:2015, ISO 45001:2018



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COMMUNICATION ENGINEERING (Accredited by
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CERTIFICATE

This is to certify that this main project titled "SMART AGRICULTURE USING IOT" is a record of work done jointly by P.AMRUTHA VALLI (17KT1A04A1), G. SAI SANDEEP (18KT5A0415), V.RAJ KUMAR (17KT1A04B5), M.NIKHIL (17KT1A0488) under the guidance and supervision of Mrs. B. ANITHA M.Tech and submitted in partial fulfilment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

B. Anitha
Project Guide

Mrs. B.ANITHA

A. Ravi
Head of the Department 28/03/21

Dr. A. RAVI

External Examiner

[Signature]

PRINCIPAL

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Kothapet, VIJAYAWADA-520 001.

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DEPARTMENT OF
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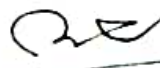
This is to verify that this main project titled "AUTOMATED ENHANCED LEARNING SYSTEM USING IOT" is a record work done jointly by S. PAVANI DURGA (17KT1A04B0), N. NAVEEN (17KT1A0499), L. ARAVIND (17KT1A0486), R.L.S. KIRANMAI (17KT1A04A5) under the Guidance and supervision of Mrs. M. MAHITHA and submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021. The results embedded in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Project Guide


Mrs. M. MAHITHA


 Head of the Department
Dr. A. RAVI

External Examiner


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COLLEGE CODE: PSGV (EAMCET, ECET, ICET, POLYCET)



DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING
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CERTIFICATE

This is to certify that this main project titled "TREE SHAPED COPLANAR ANTENNA FOR WIRELESS SENSOR NETWORKS " is a record of work done jointly by K.CHAMUNDESWARI (17KT1A0484), CH. LAVANYA KUMAR (17KT1A0472), G.VINEETH (17KT1A0475), T.L. CHANADANA (17KT1A04B4) under the guidance and supervision of Dr. J. LAKSHMI NARAYANA and submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Project Guide

Dr. J. LAKSHMI NARAYANA

Head of the Department

Dr. A. RAVI

External Examiner

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APPROVED BY AICTE, ISO 9001:2015 CERTIFIED, AFFILIATED TO JNTUK, KAKINADA

ACCREDITED BY NTA, KAKINADA

CONTACT: 0866 231 44 44, 0866 231 44 44, 0866 231 44 44

COLLEGE CODE: **PSCV** (EAMCET, EGET, ICET, POLYGET)



ISO

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project report entitled as "SMART HEALTH CARE SYSTEM FOR PATIENTS USING LoRaTECHNOLOGY" being submitted by V. RAJESH (17KT1A04B6), B. AKHIL (17KT1A0462), Y.L.N. PRASANNA (17KT1A04B9), P.V.S.N. BHAGIRADH (17KT1A04A4) in partial fulfilment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY to the Jawaharlal Nehru technological university, Kakinada is a record of bonafide work carried out under my guidance and supervision.

The results embodied in this project report have not been submitted to any other university or institution for the award of any degree or diploma

M. Anusha
27/7/21
M. Anusha, M. Tech

Project Guide

External Examiner

A. Ray
9/07/21
Dr. A. RAY

Head of the Department

PRINCIPAL

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POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO

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ONE TOWN, VIJAYAWADA - 520001

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ACCREDITED BY NBA FOR POLYTECHNIC PROGRAMS & NAAC ACCREDITED

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COLLEGE CODE : PSCV [EAMCET, ECET, ICET, POLYCET]

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DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING
(Accredited by NAAC & NBA)
CERTIFICATE

This is to certify that this main project report titled "SECURE MANHOLE MONITORING SYSTEM USING IOT" is a record of work done jointly by **G.R.N.V.SRILAKSHMI (17KT1A0428), P.SRIVALLI (17KT1A0447), V.V.V.K.ROJASYAMALA (17KT1A0461) and D.KAVYASRI(17KT1A0423)** under the guidance and supervision of **Mr. K. SUNDAR SRINIVAS** and submitted in partial fulfillment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Project Guide

Mr. K. SUNDAR SRINIVAS

Head of the Department

Dr. A. RAVI

External Examiner

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION
ENGINEERING**

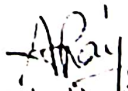
CERTIFICATE

This is to certify that this main project report titled "SMART AQUA CLEANING ROBOT USING IOT" is a record of work done jointly by HEMA HARSHINI GELLI (17KT1A0430), YAMUNA KANUMURI (17KT1A0434), MONALISA BANISETTY (17KT1A0442) and JYOTHI SWAROOP.B (17KT1A0411) under the guidance and supervision of MRS.B.MAHITHA and submitted in partial fulfillment of the requirements for the award of the Degree of **BACHELOR OF TECHNOLOGY** in Electronics and Communication Engineering by JNTUK during the academic year **2020-2021**.

The work embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Principal's Signature

MRS.B.MAHITHA

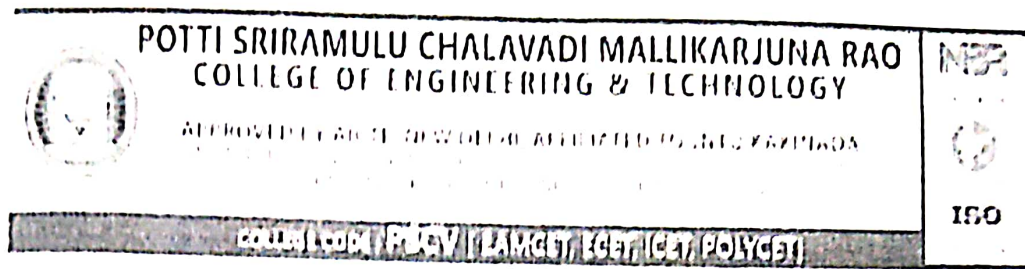

Head of the Department

DR. A. RAVI

External Examiner

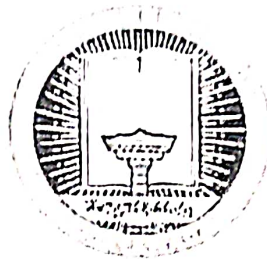


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College of Engineering & Technology
Kothapet, VIJAYAWADA-620 001.



DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING

(Accredited by NAAC & NBA)



CERTIFICATE

This is to certify that the project titled "AMBULANCE ROUTING WITH SMART MONITORING" being submitted by KOLIPAKULA . POOJA (17KT1A0436) , MARAM . PAVAN KALYAN REDDY (17KT1A0439) , MADIVADA . AKHIL (18KT5A0410) AND BAIVARAPU . SRI SAI KIRAN (17KT1A0409) under the guidance of Mr.V.L.SATYA NARAYANA and submitted in partial fulfillment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021

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


PROJECT GUIDE

Mr.V.L.SATYA NARAYANA


HEAD OF THE DEPARTMENT

Dr.A.RAVI

EXTERNAL EXAMINER



PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO

COLLEGE OF ENGINEERING & TECHNOLOGY, VIJAYAWADA 520 001

ONE TOWN, VIJAYAWADA - 520001

APPROVED BY AICTE, ISO 9001:2015 CERTIFIED, AFFILIATED TO JNTUK, KARNATAKA

ACCREDITED BY NAAC FOR THE COLLEGE PROGRAMS & NAAC ACCREDITED

ISO 9001:2015 CERTIFIED, ISO 14001:2015 CERTIFIED, ISO 45001:2018 CERTIFIED

COLLEGE CODE : PSCV [EAMCET, ECET, ICET, POLYCET]

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DEPARTMENT OF

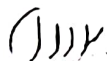
ELECTRONICS AND COMMUNICATION ENGINEERING

(Accredited by NAAC & NBA)

CERTIFICATE

This is to certify that this main project titled "ANALYSIS OF LAND SURFACE TEMPERATURE, LAND USE LAND COVER CHANGE OF VIJAYAWADA CITY USING REMOTE SENSING AND GIS" is a record of work done jointly by Y. SAILUSHA (17KT1A0451), MD. AFSHAN JABEENA (17KT1A0441), V. VENKATA GOPI (17KT1A0460), K. MADHURI (17KT1A0437) under the guidance and supervision of Mrs. A.V. KIRANMAI and submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.


Project Guide

Mrs. A.V. KIRANMAI


Head of the Department

Dr. A. RAVI

External Examiner



PRINCIPAL

**Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.**



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO

COLLEGE OF ENGINEERING & TECHNOLOGY, VIJAYAWADA - 520 001

ONE TOWN, VIJAYAWADA - 520001

APPROVED BY AICTE - 1509001, JNTU-KRISHNA, KOTHAPET, KARNATAKA

ACCREDITED BY UBA (UPEU) - 1509001, KARNATAKA, KOTHAPET

CONTACT: 0866-2551111, 0866-2551112, 0866-2551113

NBA



180

COLLEGE CODE: PSCV (EAMCET, ECET, ICET, POLYCET)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the main project titled "VITAL SIGNS DETECTOR" is a record of work done jointly by **K. UJWALA (17KT1A0433), T. MANIKANTA PRAVEEN (17KT1A0457), M. MADHURI (17KT1A0438), G. ACHYUTH (17KT1A0425)** under the guidance and supervision of **Mrs. G. M. G. MADHURI** and submitted in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING** by **JNTUK** during the academic year 2020-2021. The results embodied in this project report have not been submitted to any other university or institution for the award of any degree or diploma.

Project Guide

Mrs. G. M. G. MADHURI

Head of the Department

Dr. A. RAVI

EXTERNAL EXAMINER

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



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APPROVED BY AICTE, ISO 9001:2015 CERTIFIED, AFFILIATED TO JNTUK, KAKINADA
ACCREDITED BY NBA FOR ENGINEERING & NAAC ACCREDITED
COLLEGE CODE : **PSCV | EAMCET, ECET, ICET, POLYCET**




DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING


(Accredited by NAAC & NBA)

CERTIFICATE

This is to certify that this main project titled "AUTOMATIC SANITATION OF SOLID WASTE FROM SEWAGE" is a record of work done jointly by T.KEERTHANA (17KT1A0454), B.JHANSI (18KT5A0404), T.GANASRI (17KT1A0456), A.ANIL (17KT1A0407) under the guidance and supervision of Miss R.DURGA BHAVANI and submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021. The results embodied in the Project Report have not been submitted to any other university or institution for the award of any degree or diploma.


Project Guide

R. DURGA BHAVANI


Head of the Department
Dr. RAVI

External Examiner


PRINCIPAL

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Kothapet, VIJAYAWADA-520 001.



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ACCREDITED BY NBA FOR ENGINEERING & NAAC ACCREDITED
CONTACT NO: 086-2424421 MAIL: info@pscv.ac.in

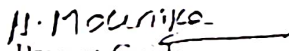
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DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "PREVENTION OF FIRE ACCIDENTS IN TRAINS" being submitted by P.MANASA (17KT1A0446), D.SHIPRA (17KT1A0422), B. RAVI TEJA (17KT1A0415) & CH. PAVAN SAI (18KT5A0406) in partial fulfillment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafide work carried out under my guidance and supervision. The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.


Project Guide

Ms. N. MOUNIKA


Head of the Department

Dr. A. RAVI

External Examiner



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NBA



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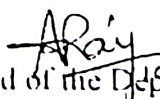
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CERTIFICATE

This is to certify that this main project titled "DESIGN AND ANALYSIS OF MULTIBAND ELECTRICALLY SMALL ANTENNA (ESA) FOR 2.3/3.3GHz APPLICATIONS" is a record of work done jointly by B.E N V D YESWANTH (17KT1A0412), B.DHANA LAKSHMI (17KT1A0416), G.KAVYA (17KT1A0426), K.NAGA SIRISHA (17KT1A0445) under the guidance and supervision of Mr. M. NAVEEN KUMAR and submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021. The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.


Project Guide

MR. M. NAVEEN KUMAR,


Head of the Department
Dr. A. RAVI



PRINCIPAL

External Examiner

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING
(Accredited by NAAC & NBA)

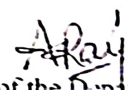
CERTIFICATE

This is to certify that this main project titled "WOMEN SAFETY BASED ON VOICE SENSOR" is a record of work done jointly by J.DEVI NAGA SREE (17KT1A0479), T.DURGA VYSHNAVI (17KT1A04B2), A.PRASANNA VANI(17KT1A0466), M.HAVEELA (15KT1A04B7) under the guidance and supervision of Mrs. G. Mary Silvy and submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.

Project Guide

Mrs. G. Mary Silvy


Head of the Department
Dr. A. RAVI

External Examiner


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DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING

(Accredited by NAAC & NBA)

CERTIFICATE

This is to certify that this main project titled "ADAPTIVE BEAMFORMING FOR SMART ANTENNA ARRAY SYSTEM USING LMS ALGORITHM" is a record of work done jointly by M. PRAVALLIKA (17KT1A0489), V. GANESH (17KT1A04B7), K. BINDU MADHURI (17KT1A0483), M.SAI VENKAT PREM (17KT1A0496) under the guidance and supervision of G. Nagendra Babu and submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electronics and Communication Engineering by JNTUK during the academic year 2020-2021.

The results embodied in this Project Report have not been submitted to any other university or institution for the award of any degree or diploma.


Project Guide

G. NAGENDRA BABU


Head of the Department

Dr. A. RAVI

External Examiner


PRINCIPAL

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COLLEGE CODE : PSCV [EAMCET, ECET, ICET, POLYCET]

NBA



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project report entitled as "SMART GLASSES FOR BLIND PEOPLE" being submitted by S. CHARAN (17KT1A04A7), M. YAMINI (17KT1A0497), MANISHA BAGH (18KT5A0417), P.V.PAVAN RAJGOPAL (17KT1A04A3) in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** to the Jawaharlal Nehru technological university, Kakinada is a record of bonafide work carried out under my guidance and supervision.

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

Project Guide

MS. JANUSHIA

Head of the dept

Dr. A. RAVI

External Examiner

PRINCIPAL

2

**Potti Srimulu Chalavadi Mallikharjuna Rao
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Kothapet, VIJAYAWADA-520 001.**



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA
RAO COLLEGE OF ENGINEERING AND
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(Affiliated to Jawaharlal Nehru Technological University,
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Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A REPORT OF MUTUAL FUNDS” is a bonafied work done by **CHOKKARA NAGESWARA RAO** (Regd. No. **19KT1E00A0**) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Mr. SAMA PRAVEEN

Associate Professor & Project Guide

Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

PRINCIPAL

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**(Affiliated to Jawaharlal Nehru Technological University,
Kakinada)**

Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A STUDY ON CAPITAL BUDGETING ” is a bonafied work done by **DOKKU DIVYA VANI**(Regd. No. **19KT1E00A1**) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr.S. PRAVEEN

Associate Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER


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**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY
Kothapet, Vijayawada – 520001**



CERTIFICATE

This is to certify that the project entitled “A REPORT ON INVENTORY MANAGEMENT ” is a bonafide work done by **DONEPUDI. NAVEEN KUMAR**, Regdno.19KT1E00A2 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in **POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE OF ENGINEERING AND TECHNOLOGY** Kothapet, Vijayawada, Affiliated to JNTUKakinada University, Kakinada..


Mr. S.PRAVEEN

Asst. Professor & Project Guide


Dr.V.VIJAY DURGAPRASAD

Professor & Head of the.
Department

EXTERNAL EXAMINER


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DEPARTMENT OF MANGEMENT STUDIES
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE
OF ENGINEERING & TECHNOLOGY



Certificate

This is to certify that **Mr. E. Prem Kumar** , Regd.No.19KT1E00A3 of MBA has submitted this project on **"AREPORT ON FINANCIAL MARKETS"** in partial fulfillment of the requirements of the award of the degree of **'MASTER OF BUSINESS ADMINISTRATION'** as per the requirements of JNTUK during the academic year 2019-2021.


Dr. N. Siva Surendra
Professor & Project Guide


Dr. V. Vijaya Durga Prasad
Head of the department



PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA
RAO COLLEGE OF ENGINEERING AND
TECHNOLOGY**

**(Affiliated to Jawaharlal Nehru Technological University,
Kakinada)**

Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “**A REPORT ON PORTFOLIO MANAGEMENT**” is a bonafied work done by **E.THRIVED (Regd.No. 19KT1E00A4)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. S. MANIKANTA

Associate Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER



PRINCIPAL
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**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY
Kothapet, Vijayawada – 520001**

CERTIFICATE



This is to certify that the project entitled “**A REPORT OF WORKING CAPITAL MANAGEMENT.**” is a bonafide work done by **GADDAM.SAI SIRISHA**, Regd no. **19KT1E00A5** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada..

Mr. S. MANIKANTA

Asst. Professor & Project Guide

Dr. V.VIJAY DURGAPRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

PRINCIPAL

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Kothapet, VIJAYAWADA-520 001.**



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY
Kothapet, Vijayawada – 520001**

CERTIFICATE

This is to certify that the project entitled “ **A STUDY OF FINANCIAL SERVICES** “ is a bonified work done by **GADE. KAVYASRI (REG NO:- 19KTIE00A6)** under my guidance and supervision in partial fulfilment of the requirement for the award of degree of Master of Business Administration (2019-2021) in potti Sriramulu chalavadi Mallikarjun Rao collage of Engineering and Technology Kothapet, Vijayawada, Affiliated to JNTU Kakinada university, Kakinada.

Mr. S. MANIKANTA

Asst. Professor & Project Guide

Dr. V.VIJAY DURGAPRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

PRINCIPAL

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Kothapet, VIJAYAWADA-520 001.**



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA
RAO COLLEGE OF ENGINEERING AND
TECHNOLOGY**
(Affiliated to Jawaharlal Nehru Technological University,
Kakinada)
Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A REPORT OF VENTURE CAPITAL” is a bonafied work done by **GANDHAM NAGA VENKATA GOWTHAM (Regd. No. 19KT1E00A7)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. SAMA PRAVEEN

Associate Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER


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**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA
RAO COLLEGE OF ENGINEERING AND
TECHNOLOGY**

**(Affiliated to Jawaharlal Nehru Technological University,
Kakinada)**

Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A REPORT ON RISK MANAGEMENT OF INSURANCE COMPANY” is a bonafied work done by **G.SIVA PRASANTH (Regd. No. 19KT1E00A8)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. S. MANIKANTA

Associate Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER



PRINCIPAL
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Kothapet, VIJAYAWADA-520 001.


DEPARTMENT OF MANGEMENT STUDIES
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE OF
ENGINEERING & TECHNOLOGY



Certificate

This is to certify that **Ms. G. Sri Naga Lakshmi Sai Parvathi,**
Regd. No. 19KT1E00A9 of MBA has submitted this project on
"A Study on CAPITAL BUDGETING " in partial fulfilment of
the requirements of the award of the degree of 'MASTER OF
BUSINESS ADMINISTRATION' as per the requirements of
JNTUK during the academic year 2019-2021.


Mr. S. MANIKANTA
Associate Professor


Dr. V. Vijaya Durga Prasad
Head of the department


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 011.



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA
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(Affiliated to Jawaharlal Nehru Technological University,
Kakinada)
Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A COMPARATIVE STUDY OF MUTUAL FUNDS” is a bonafied work done by **KANDUKURI BHANU LATHA** (Regd. No. 19KT1E00B4) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. S. MANIKANTA

Associate Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER


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Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA
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(Affiliated to Jawaharlal Nehru Technological University,
Kakinada)
Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A STUDY OF FINANCIAL STATEMENTS (FISCAL SUMMARIES)” is a bonfied work done by **KHUSHBU KUNWAR (Regd. No. 19KT1E00B5)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.



Mr. J. NAVEEN GUPTA

Associate Professor & Project Guide



Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER



PRINCIPAL

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**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA
RAO COLLEGE OF ENGINEERING AND
TECHNOLOGY**

**(Affiliated to Jawaharlal Nehru Technological University,
Kakinada)**

Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A REPORT ON INVENTORY MANAGEMENT ” is a bonfied work done by **K.MANO HAR REDDY (Regd. No. 19KT1E00B7)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. J. NAVEEN GUPTA

Associate Professor & Project Guide



Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER





**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA
RAO COLLEGE OF ENGINEERING AND
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(Affiliated to Jawaharlal Nehru Technological University,
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Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A STUDY ON CAPITAL STRUCTURE” is a bonafied work done by **LOYA DURGA BHAVANI (Regd. No. 19KT1E00B9)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Mr. S. PRAVEEN

Associate Professor & Project Guide

Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
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Kothapet, VIJAYAWADA

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO

COLLEGE OF ENGINEERING AND TECHNOLOGY

Kothapet, Vijayawada – 520001



CERTIFICATE

This is to certify that the project entitled “A REPORT ON EQUITY ANALYSIS ” is a bonafide work done by **MADIRI.TAGOOR BABU**, Regdno.19KT1E00C1 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in **POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE OF ENGINEERING AND TECHNOLOGY** Kothapet, Vijayawada, Affiliated to JNTUKakinada University, Kakinada..


Mr. S. RAVEEN

Asst. Professor & Project Guide


Dr. V. VIJAY DURGAPRASAD

Professor & Head of the
Department

EXTERNAL EXAMINER


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

DEPARTMENT OF BUSINESS ADMINISTRATION
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Ms. Keerthi Priya of MBA has submitted this report on “RECEIVABLE MANAGEMENT ” in partial Fulfilment of the requirement of the award of the degree of ‘MASTER OF BUSINESS ADMINISTRATION’ as per the requirements of JNTUK during the academic year 2019-2021.

Mr.S.PRAVEEN

Assistant Professor
(Project Guide)

Dr. V. Vijay Durga Prasad

(Professor Head of the department)

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

DEPARTMENT OF BUSINESS ADMINISTRATION
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Ms. M.DEEPTHI of MBA has submitted this report on "A Study on CREDIT RATING AGENCIES" in partial Fulfillment of the requirement of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.

S.PRAVEEN

Associate Professor
(Project Guide)

Dr. V. Vijaya Durga Prasad

(Head of the department)

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520

DEPARTMENT OF BUSINESS ADMINISTRATION
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE OF
ENGINEERING & TECHNOLOGY



Certificate

This is to certify that the project entitled “A REPORT ON COMMERCIAL BANKS” is a bonafied work done by MUDUNURI SIRISHA, Reg no. 19KT1E00C9 under the Guidance and Supervision in partial Fulfillment of the requirement for the award of the degree of ‘MASTER OF BUSINESS ADMINISTRATION’ in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering & Technology as per the requirements of JNTUK during the academic year 2019-2021.

S.PRAVEEN
Associate Professor
(Project Guide)

Dr. V. Vijaya Durga Prasad
(Head of the department)



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA
RAO COLLEGE OF ENGINEERING AND
TECHNOLOGY**

(Affiliated to Jawaharlal Nehru Technological University,
Kakinada)
Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A STUDY OF INDIAN FINANCIAL SYSTEM” is a bonafied work done by N. HARSHA VARDHAN (Regd. No. 19KT1E00D2) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Mr. S. PRAVEEN

Associate Professor & Project Guide

Dr. V. VIJAY DURGAPRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

PRINCIPAL
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CERTIFICATE

This is to certify that the project entitled “A REPORT ON INVESTMENT
AVENUES IN INDIA” is a bonafied work done by NEELAPU JYOTHIRGAMAI
(Regd. No. 19KT1E00D3) under my guidance and supervision in partial fulfillment
of the requirement for the award of degree of Master of Business
Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College
of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada
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Mr. S. PRAVEEN

Associate Professor & Project Guide

Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

PRINCIPAL

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DEPARTMENT OF MANGEMENT STUDIES
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE
OF ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Ms.Nukala Sravana lakshmi, Regd. No. 19KT1E00D4 of MBA has submitted this project on “INVESTMENT OPTIONS AVAILABLE IN INDIA” in partial fulfillment of the requirements of the award of the degree of ‘MASTER OF BUSINESS ADMINISTRATION’ as per the requirements of JNTUK during the academic year 2019-2021.


G. Srinivasa murthi
Professor & Project Guide


Dr. V. Vijaya Durga Prasad
Head of the department


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CERTIFICATE

This is to certify that the project entitled “A STUDY OF CAPITAL’S MARKETS ” is a bonafied work done by N. KRANTHI KUMAR (Regd. No. 19KT1E00D6) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. G. SRINIVAS MURTHY

Associate Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER


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CERTIFICATE

This is to certify that the project entitled “A STUDY ON FIRM CAPITAL STRUCTURE AND IT’S DETERMINANTS” is a bonafied work done by **P.VENKATA SUMAN** (Regd. No. 19KT1E00D8) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. G. SRINIVAS MURTHY

Assistant Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “**BUDGET AND BUDGETIRY CONTROL**” is a bonafied work done by P.MURALI VARA PRASAD (Regd. No. **19KT1E00D9**) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. G.SRINIVAS MURTHY

Assistant Professor & Project Guide


DR.VIJAY DURGAPRASAD

Professor & Head of the Department

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Kakinada) (Sponsored by SKPVV Hindu High Schools
Committee, Vijayawada, Est. 1906) Kothapeta, Vijayawada,
Andhra Pradesh.

CERTIFICATE

This is to certify that this project report entitled " A REPORT ON
EVOLUTION AND SCOPE OF MERCHANT BANKING SERVICES IN
INDIA " is submitted by P.VYSHNAVI of Roll. No: 19KT1E00E0 in partial
fulfillment of the requirement for award of degree of MASTER OF BUSINESS ADMINISTRATION
under Jawaharlal Nehru Technological University, Kakinada during the academic year 2019-2021.


S. VARALAKSHMI, M.B.A (PHD)

Associate professor & Project guide


Dr. V. VIJAY DURGA PRASAD
professor & Head of the department

EXTERNAL EXAMINER


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Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A STUDY ON THE EFFECTIVE SERVICES OF NON-BANKING FINANCIAL SERVICES IN INDIA ” is a bonafied work done by P. SRAVAN KUMAR (Regd. No. 19KT1E00E2) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mrs. S. VARA LAKSHMI

Assistant Professor & Project Guide



Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER



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CERTIFICATE

This is to certify that the project entitled “A REPORT ON VALUATION TECHNIQUES OF EQUITY INSTRUMENTS” is a bonafied work done By **PATHI DURGA SAI CHANDU**(Regd. No. 19KT1E00E3) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in PottiSriramuluChalavadiMallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mrs. S. VARALAKSHMI

Assistant Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A REPORT ON INVESTOR BEHAVIOUR IN EQUITY MUTUAL FUNDS IN INDIA” is a bonafied work done by **PEDAMALLU TARUN KUMAR**(Regd. No. 19KT1E00E4) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in PottiSriramuluChalavadiMallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mrs. S. VARALAKSHMI

Associate Professor&Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor &Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A REPORT ON RATIO ANALYSIS” is a bonafied work done by PILLI SAITEJA (Regd. No. 19KT1E00E5) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in PottiSriramuluChalavadiMallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada


Mr. G. SRINIYAS MURTHY

Assistant Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A STUDY OF THE FINANCIAL INSTITUTIONS” is a bonafied work done by **P.PUJITHA DIVYA SREE (Regd. No. 19KT1E00E6)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology**, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. G.S.SRINIVAS MURTHY

Assistant Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A STUDY OF CAPITAL MARKETS WITH REFERENCE TO BANKING AND INSURANCE” is a bonafied work done by POTHABATHINA SRIDEVI (Regd. No. 19KT1E00E7) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. G. SAI SRINIVAS MURTHY
Associate Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD
Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A STUDY ON CONCEPT OF TAX SAVING SCHEMES OF MUTUAL FUNDS IN INDIA” is a bonafied work done by SAI SRIVALLI SREEDEVI KOLACHENA (Regd. No. 19KT1E00F1) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. G. S. SRINIVASA MURTHY
Assistant Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD
Professor & Head of the Department

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DEPARTMENT OF BUSINESS ADMINISTRATION
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COLLEGE OF ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Mr.S.Madhu of MBA has submitted this report on “STOCK EXCHANGE BOARD OF INDIA” in partial Fulfilment of the requirement of the award of the degree of ‘MASTER OF BUSINESS ADMINISTRATION’ as per the requirements of JNTUK during the academic year 2019-2021.


Mr. G. Sai Srinivas Murthy

Assistant Professor
department)
(Project Guide)


Dr. V. Vijay Durga Prasad

(Professor Head of the



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Certificate

This is to certify that Mr.SK.ARIF of MBA has submitted this report on "MERCHANT BANKING IN INDIA" in partial Fulfillment of the requirement of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.


Mr. G. Sai Srinivas Murthy
Assistant Professor
(Project Guide)


Dr. V. Vijay Durga Prasad
(Professor Head of the department)


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CERTIFICATE

This is to certify that the project entitled “A REPORT ON CAPITAL BUDGETING” is a bonafied work done by **TEGALA HARISH** (Regd. No. **19KT1E00F5**) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. G. S. SRINIVASA MURTHY
Assistant Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD
Professor & Head of the Department

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Certificate

This is to certify that Mr.T.NAGADURGARAO of MBA has submitted this report on “ WORKING CAPITAL ” in partial Fulfillment of the requirement of the award of the degree of ‘MASTER OF BUSINESS ADMINISTRATION’ as per the requirements of JNTUK during the academic year 2019-2021.


Mr. G. Sai Srinivas Murthy

Assistant Professor
(Project Guide)


Dr. V. Vijay Durga Prasad

(Professor Head of the department)


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CERTIFICATE

This is to certify that the project entitled “A STUDY OF INVESTMENT AVENUES ” isa bonafied work done by TIRUMALASETTI RENUKA (Regd. No. 19KT1E00F7) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti SriramuluChalavadiMallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


MR.G.S.SRINIVAS MURTHY
Associate Professor & Project Guide
Department


Dr. V.VIJAY DURGA PRASAD
Professor & Head of the
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CERTIFICATE

This is to certify that the project entitled “A STUDY OF CAPITAL BUDGETING” is a bonafied work done by **AMARA JYOTHI SRI** (Regd. No. 19KT1E0003) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in PottiSriramuluChalavadiMallikharjunaRao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Dr. V.VIJAY DURGA PRASAD

Professor&Project Guide

Dr. V.VIJAY DURGA PRASAD

Professor &Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A STUDY CASH FLOW ANALYSIS” is a bonafied work done by **A.KEERTHISRI (Regd. No. 19KT1E0004)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

DR.V.VIJAYDURGAPRASAD

Associate Professor & Project Guide

Dr.VIJAYDURGAPRASAD

Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “EQUITY ANALYSIS” is a bonafied work done by **BANDARU BHUVANKUMAR** (Regd. No. 19KT1E0007) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapeta, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Dr. V.VIJAY DURGA PRASAD

Professor&Project Guide

Dr. V.VIJAY DURGA PRASAD

Professor &Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A STUDY OF COMMERCIAL BANKING IN INDIA” is a bonafied work done by **BATTINA VAMSI PRADEEP**(Regd. No. 19KT1E0009) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Dr. V.VIJAY DURGA PRASAD

Professor & Project Guide

Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

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DEPARTMENT OF MANGEMENT STUDIES
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE
OF ENGINEERING & TECHNOLOGY


Certificate



This is to certify that Ms. B. Srinivas, Regd. No. 19KT1E0012 of MBA has submitted this project on “A Study on the Use of Capital Budgeting to Support Investment Decisions” in partial fulfillment of the requirements of the award of the degree of ‘MASTER OF BUSINESS ADMINISTRATION’ as per the requirements of JNTUK during the academic year 2019-2021.


Dr. V. Vijaya Durga Prasad
Head of the department


Dr. V. Vijaya Durga Prasad
Head of the department


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DEPARTMENT OF MANGEMENT STUDIES

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Certificate

This is to certify that, **MS: B . SIREESHA** Regd. No. 19KT1E0014
Mof MBA has submitted this project on “**VENTURE CAPITALIST IN
INDIA**” in partial fulfillment of the requirements of the award of the
degree of ‘**MASTER OF BUSINESS ADMINISTRATION**’ as per the
requirements of JNTUK during the academic year 2019-2021.

Dr. V. Vijaya Durga Prasad
Professor & Project Guide

Dr. V. Vijaya Durga Prasad
Head of the department

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DEPARTMENT OF BUSINESS ADMINISTRATION
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Certificate

This is to certify that the project entitled "A STUDY ON ROLE OF BANKING SYSTEM IN INDIA "is a bonafied work done by B.RUPESH NAGA VENKATA VENU, Reg no. 19KT1E0015 under the Guidance and Supervision in partial Fulfillment of the requirement for the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering & Technology as per the requirements of JNTUK during the academic year 2019-2021.

Dr. V. Vijay Durga Prasad
(Head of the department)
(Project Guide)

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Kakinada) (Sponsored by SKPVV Hindu High
Schools Committee, Vijayawada, Est. 1906)
Kothapeta, Vijayawada, Andhra Pradesh.

CERTIFICATE

This is to certify that this project report entitled "**OVERVIEW OF STOCK MARKET AND ITS FUNDAMENTAL ANALYSIS**" is submitted by **CH.DEEPAK SARATH CHAITANYA** of Roll. No: 19KT1E0017 in partial fulfillment of the requirement for award of degree of **MASTER OF BUSINESS ADMINISTRATION** under Jawaharlal Nehru Technological University, Kakinada during the academic year 2019-2021.

Dr. V. VIJAY DURGA PRASAD

Project Guide

Dr. V. VIJAY DURGA PRASAD

PROFESSOR & HEAD OF DEPARTMENT

External Examiner

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CERTIFICATE

This is to certify that the project entitled “A STUDY OF PORTFOLIO MANAGEMENT” is a bonafied work done by **JEERI BHARATHI (Regd. No. 19KT1E0032)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. S.MANIKANTA

Associate Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER


PRINCIPAL

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CERTIFICATE

This is to certify that the project entitled “A STUDY ON INVENTOY MANAGEMENT” is a bonafied work done by J.RUPAPRIYA (Regd. No. 19KT1E0033) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. S. MANIKANTA

Associate Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

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This is to certify that the project entitled “A STUDY OF INVESTMENT
DECISION METHOD” is a bonafied work done by **KONDURI NAVEEN
KUMAR (Regd. No. 19KT1E0045)** under my guidance and supervision in partial
fulfillment of the requirement for the award of degree of Master of Business
Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College
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Mr.S. MANI KANTA

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Dr. V.VIJAY DURGA PRASAD

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DEPARTMENT OF BUSINESS ADMINISTRATION
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE
OF ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Mr. K. DURGA RAO of MBA has submitted this report on "A Study on TAX PLANNING AND MANAGEMENT " in partial Fulfillment of the requirement of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.


S. MANIKANTA

Associate Professor
(Project Guide)


Dr. V. Vijaya Durga Prasad

(Head of the department)


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This is to certify that the project entitled “A STUDY OF WORKING CAPITAL” is a bonafied work done by **KUNCHALA ROJA (Regd. No. 19KT1E0047)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. S. MANIKANTA

Associate Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

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This is to certify that the project entitled "A STUDY OF CAPITAL BUDGETING " is a bonafide work done by **K. SRI DURGA MALLESWARA RAO (Regd. No. 19KT1E0049)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in **Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.**


Mr. S. MANIKANTA

Associate Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A STUDY OF ROLE OF MICRO FINANCE IN ECONOMIC DEVELOPMENT ” is a bona fide work done by MANIKONDA YUGANDHAR RAJA(Regd. No. 19KT1E0050) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.



Mr. J. NAVEEN GUPTA

Associate Professor & Project Guide



Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

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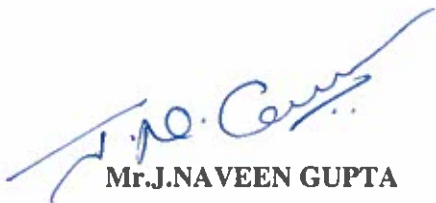


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CERTIFICATE

This is to certify that the project entitled “A COMPARATIVE STUDY ON RISK AND RETURN ON SELECTED EQUITY MUTUAL FUNDS WITH NIFTY ” isa bonafied work done by MENDEM. RAMYA (Regd. No. 19KT1E0052) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.



Mr.J.NAVEEN GUPTA

Associate Professor&Project Guide



Dr. V.VIJAY DURGA PRASAD

Professor &Head of the Department

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CERTIFICATE

This is to certify that the project entitled “ A STUDY ON INDIAN BANKING SYSTEM ” is a bonafied work done by **MOHAMMAD IMRAN SHARIFF (Regd. No. 19KT1E0054)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.



Mr.J.NAVEEN GUPTA

Associate Professor & Project Guide



Dr. V.VIJAY DURGA PRASAD

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CERTIFICATE

This is to certify that the project entitled “A STUDY ON CAPITAL BUDGETING” is a bonafied work done by **MOHAMMAD RASHEED KHAN (Regd. No. 19KT1E0055)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.



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Associate Professor & Project Guide



Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A STUDY ON E - BANKING” is a bonafied work done by **MORA SWATHI (Regd. No. 19KT1E0057)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. J. NAVEEN GUPTA

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Dr. V. VIJAY DURGAPRASAD

Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A STUDY OF INVESTOR INVESTMENT ON STOCK MARKETS WITH REFERENCE TO FUNDAMENTAL ANALYSIS” is a bonafied work done by NAGOTHU NARESH (Regd. No. 19KT1E0061) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.



Mr. J. NAVEEN GUPTA

Associate Professor & Project Guide



Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A STUDY OF FUNDS FLOW STATEMENT” is a bonafied work done by NULU VINAY KUMAR (Regd. No. 19KT1E0062) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. J. NAVEEN GUPTA

Associate Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

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DEPARTMENT OF BUSINESS ADMINISTRATION
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ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Ms. P.DURGA DEVI of MBA has submitted this report on "A Study on MUTUAL FUNDS" in partial Fulfillment of the requirement of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.


NAVEEN GUPTHA

Associate Professor
(Project Guide)


Dr. V. Vijaya Durga Prasad

(Head of the department)



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DEPARTMENT OF MANGEMENT STUDIES
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ENGINEERING & TECHNOLOGY




Certificate

This is to certify that Ms. Ch. Chandni Lakshmi, Regd. No. 19KT1E0016 of MBA has submitted this project on “**A STUDY OF INVENTORY MANAGEMENT**” in partial fulfilment of the requirements of the award of the degree of ‘MASTER OF BUSINESS ADMINISTRATION’ as per the requirements of JNTUK during the academic year 2019-2021.


Mr.J. NAVEEN GUPTA

Associate Professor & Project Guide


Dr. V. Vijaya Durga Prasad
Head of the department


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Certificate

This is to certify that the project entitled "A STUDY ON INVESTMENT AVENUES AVAILABLE IN INDIA "is a bonafide work done by B.POOJA SREE Reg no.19KT1E0068 under the Guidance and Supervision in partial Fulfilment of the requirement for the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering & Technology as per the requirements of JNTUK during the academic year 2019-2021.

Dr. V. Vijay Durga Prasad

(Head of the department)

(Project guide)

Dr. V. Vijay Durga Prasad

(Head of the department)

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Certificate

This is to certify that **MR.P.MADHUKOTESWARA RAO** of MBA has submitted this report on “A Study on **FINANCIAL STATEMENT ANALYSIS**” in partial Fulfillment of the requirement of the award of the degree of ‘**MASTER OF BUSINESS ADMINISTRATION**’ as per the requirements of JNTUK during the academic year 2019-2021.

DR V. VIJAYA DURGA PRASAD

(Project guide & HOD)

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DEPARTMENT OF MANGEMENT STUDIES
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ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Mr.S.Sai krishna, Regd. No. 19KT1E0076 of MBA has submitted this project on "INVENTORY MANAGEMENT" in partial fulfillment of the requirements of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.

Dr V.Vijaya Durga Prasad
Professor & Project Guide

Dr. V. Vijaya Durga Prasad
Head of the department

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Certificate

This is to certify that Ms.V.LALITHAA, Regd.No. 19KT1E0088 of MBA has submitted this project on "A REPORT ON VENTURE CAPITAL" in partial fulfillment of the requirements of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.


Dr. N. Siva Surendra
Professor & Project Guide


Dr. V. Vijaya Durga Prasad
Head of the department

EXTERNAL EXAMINER


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CERTIFICATE

This is to certify that the project entitled “**A STUDY ON FUNDS FLOW STATEMENT**” is a bonafied work done by **ADAPA ANIL**(Regd. No. **19KT1E0091**) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Mr. S. PRAVEEN

Associate Professor & Project Guide

Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

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PRINCIPAL

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CERTIFICATE

This is to certify that the project entitled “IT ROLE IN BANKING SECTOR” is a bonafied work done by ARZA MONISHA (Regd. No. 19KT1E0092) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Mr.S.PRAVEEN

Associate Professor & Project Guide

Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A REPORT ON NON- BANKING FINANCIAL INTERMEDIARIES AND STATUTORY FINANCIAL ORGANISATIONS .” is a bonfide work done by TUMULURI BHANU PRAKASH, Regd no.19KT1E00F8 under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTUKakinada University, Kakinada..


Mrs. S. VARALAKSHMI

Asst. Professor & Project Guide


Dr. V.VIJAY DURGAPRASAD

Professor & Head of the Department

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CERTIFICATE



This is to certify that the project entitled “A REPORT ON COST OF CAPITAL” is a bonafied work done by **VEDURURU GOWRI** (Regd, no. 9KT1E00G0) under my guidance and supervision in partial fulfillment to the requirement for the award of degree of Management Studies (2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Ms. S. VARALAKSHMI
Asst. Professor & Project Guide


Dr. V. VIJAY DURGAPRASAD
Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A STUDY OF FINANCIAL RISK MANAGEMENT” is a bonafied work done by VEERAVALLI VENKATA LAKSHMI (Regd. No. 19KT1E00G1) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mrs. S. VARALAKSHMI

Associate Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A STUDY OF FINANCIAL STATEMENT ANALYSIS” is a bonafied work done by V.L.S. ANJANA (Regd. No. 19KT1E00G2) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mrs. S. VARALAKSHMI

Associate Professor & Project Guide



Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

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POTTISRIRAMULA CHLVADI MALLIKARJUNA RAO COLLEGE OF
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Certificate

This is to certify that Mr. V. SAMBASIVA RAO of MBA has submitted this report on "A Report on "FINANCIAL LEVERAGE" in partial Fulfilment of the requirements of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.


S. VARA LAKSHMI

Associate professor

(Project guide)



Dr. V. Vijay Durga Prasad

(Head of the department)



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Certificate

This is to certify that Mr. V. RAMAKANTH of MBA has submitted this report on "A Report on COMMERCIAL BANKING IN INDIA" in partial fulfillment of the requirements of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.


S. VARA LAKSHMI

Associate professor
(Project guide)


Dr. V. Vijay Durga Prasad
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Certificate

This is to certify that Mr. Y. DILIEEP of MBA has submitted this report on "A Report on **"FINANCIAL STATEMENT ANALYSIS"** in partial Fulfilment of the requirements of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.


S. VARA LAKSHMI

Associate professor
(Project guide)


Dr. V. Vijay Durga Prasad
(Head of the department)



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CERTIFICATE

This is to certify that the project entitled “CAPTIAL STRUCTURE AND
DIVIDEND POLICIES” is a bonafied work done by **SRI APPAYYA SAI KUMAR**
(Regd. No. 19KT1E00G8) under my guidance and supervision in partial fulfillment
of the requirement for the award of degree of Master of Business
Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College
of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada
University, Kakinada.


Ms S. VARA LAKSHMI

Associate Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER



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CERTIFICATE

This is to certify that the project entitled “A REPORT ON LEADERSHIP” is A bonafied work done by **PILLA BHANU PRASAD**(Regd. No. 19KT1E00D7) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mrs. VARA LAKSHMI

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Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER



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Kakinada) (Sponsored by SKPVV Hindu High Schools
Committee, Vijayawada, Est. 1906) Kothapeta, Vijayawada,
Andhra Pradesh.

CERTIFICATE

This is to certify that this project report entitled "**METHODS OF COMPENSATION**" is submitted by **R.T.G.SRINIVAS** of Roll.No: **19KT1E00E8** in partial fulfillment of the requirement for award of degree of **MASTEROFBUSINESSADMINISTRATION** under Jawaharlal Nehru Technological University, Kakinada during the academic year 2019-2021.

S. VARALAKSHMI, MBA(PHD)

GUIDE

Dr. V.VIJAY DURGA PRASAD

PROFESSOR & HEAD OF DEPARTMENT

External Examiner

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DEPARTMENT OF BUSINESS ADMINISTRATION



Certificate

This is to certify that the project entitled “A REPORT ON RECRUITMENT AND SELECTION ” is a bonafied work done by **R. NIKHITHA** (Regd. No: **19KT1E00E9**) under the Guidance and Supervision in partial fulfillment of the requirement for the award of the degree of **MASTER OF BUSINESS ADMINISTRATION** (2019-2021) in **POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY**, Kothapet, Vijayawada, Affiliated to JNTU KAKINADA University, Kakinada.


S. Vara Lakshmi

Associate Professor
(Project Guide)


Dr. V. Vijaya Durga Prasad

(Head of the department)

EXTERNAL EXAMINER



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ENGINEERING&TECHNOLOGY**



Certificate

This is to certify that Ms. M. LAKSHMI KAMALA PRIYANKA of MBA has submitted this report on "A Report on **EMPLOYEE RETENTION** in partial Fulfilment of the requirements of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.


G.S. SRINIVASA MURTHY

Associate professor

(Project guide)


Dr. V. Vijay Durga Prasad

(Head of the department)



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**DEPARTMENT OF BUSINESS
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ENGINEERING & TECHNOLOGY**



Certificate

This is to certify that Ms. N.DEEPIKA of MBA has submitted this report on "A Report on EMPLOYEE COMPENSATION AND BENEFIT MANAGEMENT" in partial fulfilment of the requirements of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.



S. VARA LAKSHMI

Associate professor

(Project guide)



Dr. V. Vijay Durga Prasad

(Head of the department)



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CERTIFICATE

This is to certify that the project entitled “A REPORT ON TRAINING AND DEVELOPMENT” is a bonafied work done by **S.KESAVA RAM KUMAR (Regd. No. 19KT1E00F0)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Dr. V.VIJAY DURGA PRASAD

HOD & Project Guide

Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

PRINCIPAL

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CERTIFICATE

This is to certify that the project entitled “A REPORT ON EMPLOYEE GRIEVANCE MANAGEMENT” is a bonafied work done by **SHAIK ASHRAF** (Regd. No. 19KT1E00F4) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Dr.N.SIVA SURENDRA

Professor & Project Guide

Dr. V.VIJAY DURGA PRASAD

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CERTIFICATE

This is to certify that the project entitled “A REPORT ON WORK PLACE STRESS MANAGEMENT” is a bonafied work done by VANKAYALAPATI MAHESH BABU (Regd. No. 19KT1E00F9) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. S. MANIKANTA, MBA, (Phd)

Associate Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER


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CERTIFICATE

This is to certify that the project entitled “**ORGANIZATION DEVELOPMENT**” is a bonafied work done by **YENDURI VAMSI (Regd. No. 19KT1E00G7)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.



Mr.J.NAVEEN GUPTA
Associate Professor & Project Guide



Dr. V.VIJAY DURGA PRASAD
Professor & Head of the Department

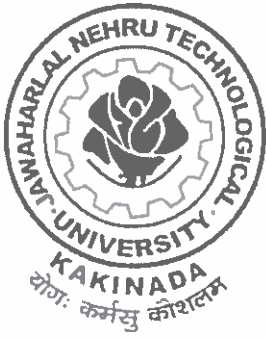
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**Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.**

A Study of Improving Emotional Intelligence at Workplace in Organizations



An undertaking report submitted in partial satisfaction of Post Graduate Confirmation in Administration

Submitted by

A .S.N.V.Anusha Roll No :- I 9KT IEO005

UNDER THE ESTEEMED GUIDANCE OF

Dr.V .Vijay Durga Prasad Head of the Department



PRINCIPAL

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POTTI SRI RAMULU CHALUVADI MALLIKARJUN RAO COLLEGE OF ENGINEERING AND
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CERTIFICATE

This is to certify that the project entitled “A STUDY ON COMPETENCY MAPPING” is a bonafied work done by **BATCHU VIJAYA SRIYA (Regd. No. 19KT1E0006)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Mr.S. MANIKANTA

Associate Professor & Project Guide

Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

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CERTIFICATE

This is to certify that the project entitled “A REPORT ON LABOR WELFARE” is a bonafied work done by **BOJJA RAMYA** (Regd. No. **19KT1E0011**) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Dr. V.VIJAY DUGRA PRASAD

Head of the Department

& Project Guide

Dr. V.VIJAY DUGRA PRASAD

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CERTIFICATE

This is to certify that the project entitled “A STUDY ON WORK LIFE BALANCE” is a bonafied work done by **BURRI ANJALI** (Regd. No. 19KT1E0013) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Dr. N. SIVA SURENDRA

Professor & Project Guide

Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

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DEPARTMENT OF MANGEMENT STUDIES
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OF ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Ms. Ch. Chandni Lakshmi, Regd. No. 19KT1E0016 of MBA has submitted this project on “**A REPORT ON COLLECTIVE BARGAINING**” in partial fulfillment of the requirements of the award of the degree of ‘MASTER OF BUSINESS ADMINISTRATION’ as per the requirements of JNTUK during the academic year 2019-2021.

Dr. N. Siva Surendra
Professor & Project Guide

Dr. V. Vijaya Durga Prasad
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CERTIFICATE

This is to certify that the project entitled “A REPORT ON QUALITY OF WORK LIFE” is a bonafied work done by **DEVU MAHA LAKSHMI** (Regd. No. **19KT1E0023**) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikarjun Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Dr. N. SIVA SURENDRA

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Dr. V. VIJAY DURGA PRASAD

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ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Ms. Gumma . Aswini , Regd. No. 19KT1E0031 of MBA has submitted this project on "**A REPORT ON WORKERS PARTICIPATION IN MANAGEMENT**" in partial fulfillment of the requirements of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.


Dr. N. Siva Surendra

Professor & Project Guide


Dr. V. Vijaya Durga Prasad

Head of the department

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CERTIFICATE

This is to certify that the project entitled “A STUDY ON TOTAL QUALITY MANAGEMENT” is a bonafied work done by **BATCHU VIJAYA SRIYA (Regd. No. 19KT1E0006)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Dr. V. VIJAY DURGA PRASAD
Professor & Head of the Department


Dr. V. VIJAY DURGA PRASAD
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Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A STUDY OF JOB SATISFACTION OF EMPLOYEES AT HOTEL INDUSTRY” is a bonafied work done by MAHITHA.KOPPURAVURI (Regd. No. 19KT1E0036) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. MANIKANTA SAMA

Associate Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER


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Kothapet, Vijayawada – 520001**

CERTIFICATE

This is to certify that the project entitled “A STUDY OF STRESS MANAGEMENT” is a bonafied work done by KALAPALA NIHARIKA (Regd. No. 19KT1E0037) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in PottiSriramuluChalavadiMallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. S. MANIKANTA

Associate Professor&Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor &Head of the Department

EXTERNAL EXAMINER


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RAO COLLEGE OF ENGINEERING AND
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**(Affiliated to Jawaharlal Nehru Technological University, Kakinada)
Kothapet, Vijayawada – 520001**

CERTIFICATE

This is to certify that the project entitled “A STUDY ON STRESS MANAGEMENT IN BANKING SECTOR” is a bonafied work done by **KALINGAPATNAM BALA DURGA BHAVANI** (Regd. No. 19KT1E0038) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. S. MANIKANTA

Associate Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER


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RAO COLLEGE OF ENGINEERING AND
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**(Affiliated to Jawaharlal Nehru Technological University,
Kakinada)**

Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “INTERNATIONAL HUMAN RESOURCE MANAGEMENT” is a bonafied work done by KAMMILI TEJA MAHENDRA (Regd. No. 19KT1E0040) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Mr.J.NAVEEN GUPTA

Associate Professor & Project Guide

Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

PRINCIPAL

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Kothapet, VIJAYAWADA-520 001,**

DEPARTMENT OF BUSINESS ADMINISTRATION
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE
OF ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Ms. K.DIVYA of MBA has submitted this report on "EMPLOYEE WELFARE AND MEASURE" in partial Fulfillment of the requirement of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.

J NAVEEN GUPTA

Associate Professor
(Project Guide)

Dr. V. Vijaya Durga Prasad

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Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A REPORT ON TALENT MANAGEMENT” is a bonafied work done by **SHOBHITHA KESAVARAPU** (Regd. No. 19KT1E0043) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Mr. J. NAVEEN GUPTA

Associate Professor & Project Guide

Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

PRINCIPAL

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DEPARTMENT OF MANGEMENT STUDIES
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE OF
ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Ms. K. MOWNIKA SRI GAYATRI,
Regd. No.19KT1E0048 of MBA has submitted this project on
“A REPORT ON TRAINING AND DEVELOPMENT” in
partial fulfillment of the requirements of the award of the
degree of ‘MASTER OF BUSINESS ADMINISTRATION’
as per the requirements of JNTUK during the academic year
2019-2021.


Dr. N. Siva Surendra
Professor & Project Guide


Dr. V. Vijaya Durga Prasad
Head of the department


PRINCIPAL
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Kakinada)
Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A REPORT ON PERFORMANCE APPRAISAL” is a bonafied work done by **MOHAMMAD GAYASUDDIN** (Regd. No. 19KT1E0053) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Dr. N. SIVA SURENDRA

Professor & Project Guide

Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

PRINCIPAL

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DEPARTMENT OF MANGEMENT STUDIES
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE OF
ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Ms. M. Saidurga, Regd. No. 19KT1E0016 of MBA has submitted this project on "A REPORT ON HUMAN RESOURCE PLANNING" in partial fulfillment of the requirements of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.


Dr. N. Siva Surendra
Professor & Project Guide


Dr. V. Vijaya Durga Prasad
Head of the department


PRINCIPAL
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Kothapet, VIJAYAWADA-520 001.





**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA
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Kakinada)(Sponsored by SKPVV Hindu High Schools
Committee, Vijayawada, Estd. 1906)

Kothapeta, Vijayawada, Andhra

Pradesh

CERTIFICATE

This is to certify that this project report entitled "A STUDY OF RECRUITMENT AND SELECTION " is submitted by **M.MOHANA DURGA** of Roll.no.19KT1E0059 in partial fulfillment of the requirement for award of degree of MASTER OF BUSINESS ADMINISTRATION under Jawaharlal Nehru Technological University, Kakinada during the academic year 2019-2021


S.PRAVEEN

Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



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Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled "A REPORT ON TRAINING METHODS" is a bonafied work done by POTHINA LAKSHMANA NAGA SAI (Regd. No. 19KT1E0063) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. S. PRAVEEN

Associate Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER


PRINCIPAL

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Kakinada)**

Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A STUDY ON TOTAL QUALITY MANAGEMENT” is a bonafied work done by **PALLAPOTHU RAMYA**(Regd. No. **19KT1E0064**) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Mr.S.PRAVEEN

Associate Professor & Project Guide

Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

PRINCIPAL

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Kakinada)
Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A STUDY OF PERFORMANCE APPRAISAL WITH REFERENCE TO HUMAN RESOURCE MANAGEMENT” is a bonafied work done by PEDDI DINESH (Regd. No. 19KT1E0065) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Mr.S.PRAVEEN

Associate Professor

Dr. V.VIJAY DURGAPRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

PRINCIPAL

**Potti Sriramulu Chalavadi Mallikharjuna Rao
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Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A STUDY OF INDUSTRIAL RELATIONS” is a bonafied work done by **RAMALA RAMYA** (Regd. No. **19KT1E0072**) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in PottiSriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.



Mr. J. NAVEEN GUPTA

Associate Professor&Project Guide



Dr. V.VIJAY DURGA PRASAD

Professor &Head of the Department

EXTERNAL EXAMINER



PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

DEPARTMENT OF BUSINESS ADMINISTRATION
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE
OF ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Ms. R. SWATHI of MBA has submitted this report on "A Study on QUALITY OF WORK LIFE" in partial Fulfillment of the requirement of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.


J. Naveen Gupta

Associate Professor
(Project Guide)


Dr. V. Vijaya Durga Prasad

(Head of the department)


PRINCIPAL
Potti Srimulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



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CERTIFICATE

This is to certify that the project entitled “A REPORT ON LABOUR WELFARE MEASURES” is a bonfied work done by SAMA SAHITHI (Regd. No. 19KT1E0077) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Mr. J. NAVEEN GUPTA

Associate Professor & Project Guide

Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

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Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A REPORT ON TRAINING AND DEVELOPMENT OF EMPLOYEE” is a bonafied work done by **SHAIK ABDUL WARIS**(Regd. No. 19KT1E0079) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.

Mr. J.NAVEEN GUPTHA

Associate Professor & Project Guide

Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER

PRINCIPAL

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CERTIFICATE

This is to certify that the project entitled “A REPORT ON HR POLICIES AND PROCEDURES” is a bonafied work done by SONA SIVAYYA (Regd. No. 19KT1E0080) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. S. PRAVEEN

Associate Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER


PRINCIPAL
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CERTIFICATE

This is to certify that the project entitled "A REPORT ON CUSTOMER SATISFACTION" is a bonafied work done by **GOURAV KUMAR JAJU (Regd. No. 19KT1E00B0)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. G S SRINIVAS MURTHY
Assistant Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD
Professor & Head of the Department

EXTERNAL EXAMINER


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CERTIFICATE

This is to certify that the project entitled “A REPORT ON ADVERTSIMENT AND SALES PROMOTION ” is a bonafied work done by NEELAPU JYOTHIRGAMAI (Regd. No. 19KT1E00D3) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.



Dr. V.VIJAY DURGA PRASAD

Associate Professor & Project Guide


Dr. V.VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER


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Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A REPORT ON CUSTOMER RELATIONSHIP MANAGEMENT” is a bonafied work done by **MEESALA VEERA GIRISH (Regd. No. 19KT1E00C5)** under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mrs. VARA LAKSHMI

Associate Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

DEPARTMENT OF MANGEMENT STUDIES
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE
OF ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Mr A. Ravi teja , Regd. No. 19KT1E0002 of MBA has submitted this project on “BRAND LOYALTY AT MY HOME INDUSTRIES” in partial fulfillment of the requirements of the award of the degree of ‘MASTER OF BUSINESS ADMINISTRATION’ as per the requirements of JNTUK during the academic year 2019-2021.

Dr. V. Vijaya Durga Prasad
 Professor & Project Guide

Dr. V. Vijaya Durga Prasad
 Head of the department

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

DEPARTMENT OF MANGEMENT STUDIES
**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE OF ENGINEERING &
TECHNOLOGY**




Certificate

This is to certify that Mr. B. John Kumar, Regd. No. 19KT1E0008 of MBA has submitted this project on "A REPORT ON MARKETING MIX" in partial fulfillment of the requirements of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.


Dr. N. Siva Surendra

Professor & Project Guide


Dr. V. Vijaya Durga Prasad
Head of the department


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College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

DEPARTMENT OF BUSINESS ADMINISTRATION
POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO COLLEGE
OF ENGINEERING & TECHNOLOGY



Certificate

This is to certify that Mr.J.LAKSHMI PRASANNA REDDY of MBA has submitted this report on "A STUDY ON IMPLEMENTATION AND CUSTOMER PRECEPTION TOWARDS GST" in partial Fulfillment of the requirement of the award of the degree of 'MASTER OF BUSINESS ADMINISTRATION' as per the requirements of JNTUK during the academic year 2019-2021.


S.MANIKANTA

Associate Professor
(Project Guide)


Dr. V. Vijaya Durga Prasad

(Head of the department)


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.

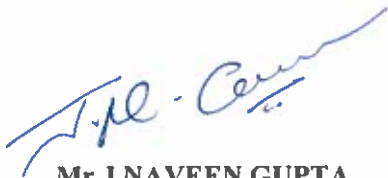


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Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “A REPORT ON CONSUMER BUYING BEHAVIOUR ON PRESENT MARKET SCENARIO” is a bonafied work done by KHADIRAHMADBAIG (Regd. No. 19KT1E0044) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration (2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapet, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.


Mr. J. NAVEEN GUPTA

Associate Professor & Project Guide


Dr. VIJAYDURGAPRASAD

Professor & Head of the Department

EXTERNAL EXAMINER



PRINCIPAL
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Kothapet, Vijayawada – 520001

CERTIFICATE

This is to certify that the project entitled “**TOWARDS TO OPENING OF DEMAT ACCOUNT**” is a bonafied work done by **M.SAI KUMAR**

(Regd. No. 19KT1E0060) under my guidance and supervision in partial fulfillment of the requirement for the award of degree of Master of Business Administration(2019-2021) in Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engineering and Technology, Kothapeta, Vijayawada, Affiliated to JNTU Kakinada University, Kakinada.



Dr. N.S. SURENDRA

Professor & Project Guide


Dr. V. VIJAY DURGA PRASAD

Professor & Head of the Department

EXTERNAL EXAMINER


PRINCIPAL
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Kothapet, VIJAYAWADA-520 001.



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COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

II CSE Social Relevance Projects
2020-21

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "PRODUCING ELECTRICITY USING ROAD TRANSPORT" is a bonafide work carried out by Mr. S RAMPRASAD (19KTIA05C1), Mr. D VENKATA VISHNU BHARGAV TEJA (19KTIA0578), Mr. K RAVYA (19KTIA0594). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

Project Guide

Head of the Department

External Examiner

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PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY**

Department of Computer Science and Engineering

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2020-21**

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COLLEGE OF ENGINEERING & TECHNOLOGY
KOTHAPET, VIJAYAWADA-520001.**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "REAL TIME AIR QUALITY MONITORING SYSTEM IN URBAN AREAS" is a bonafide work carried out by Mr. MUNAGALA ANUDEEP (19KTIA05A6), Mr. VEMULA DILIP KUMAR (19KTIA05C7), Mr. JANGAM RAJA (19KTIA0590), Mr. MEKATHOTI PRABHU KUMAR (19KTIA05A3), Ms. KALAKOTI THABITHA (19KTIA0592). Fulfilment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawahar Lal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report.


The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.


Project Guide


External Examiner


Head of the Department

PRINCIPAL


**Potti Sriramulu Chalavadi Mallikharjuna R.
College of Engineering & Technology
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POTTISRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

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2020-21

COVID-19 ANALYSIS

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COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "COVID-19 ANALYSIS" is a bonafide work carried out by Mr.L.CHANDU(19KT1A0595), Mr.SHAIK ZAVED(19KT1A05C0), Mr.N.KARTHIK(19KT1A05A7), Ms.ALEKYA(19KT1A0598), Ms.AKSHAYARAJ(19KT1A0586) Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kalonada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

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Head of the Department

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Page 2


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2020-21**

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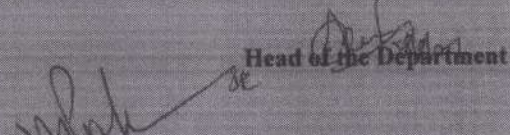
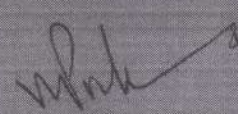
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "IoT based Dynamic Control of Street Lights for Smart City" is a bonafide work carried out by Mr. Abhishek Sri Sai Tammannagari (19KT1A05C2), Ms. Sai Amulya Palugulla (19KT1A05A9), Ms. Likhitha Makke (19KT1A0599), Mr. Haranadh Babu Chendika (19KT1A0575), Mr. Aditya Koushik Chebrolu (19KT1A0574). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree


Project Guide


Head of the Department

External Examiner


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KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "Research on Urban Intelligent Traffic Monitoring System Based on Video Image Processing" is a bonafide work carried out by Ms. U. L. Yasaswi(19KT1A05C6), Ms. I. Sri Lalitha (19KT1A0587), Mr. M. Sasi Kiran (19KT1A0596), Mr. A. Hari santap (19KT1A05B7), Ms. P. Shamshad (20KT5A0511). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

Project Guide

[Signature]
10/9/21

External Examiner

Head of the Department

[Signature]

[Signature]

PRINCIPAL

**Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.**



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNARAO
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KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that Engineering Exploration project work entitled "AUTOMATIC HAND SANITIZATION" is a bonafide work carried out by Mr. M.SUJAN (19KT1A05A4), Mr. R.RAJKUMAR (19KT1A05B5), Mr. U.JAYANTH VARMA (19KT1A05C5), Mr. B.SAI KUMAR (19KT1A0569), Ms. CH.SRI CHARITHA (20KT5A0508) under the guidance and supervision of Mr V.S.R.K.PRASAD.G, Department of Computer science and Engineering. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The Engineering Exploration project report has been approved as it satisfies the academic requirements in respect of Engineering Exploration project work prescribed for the above degree.


Project Guide


External Examiner


Head of the Department

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PRINCIPAL

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Department of Computer Science and Engineering

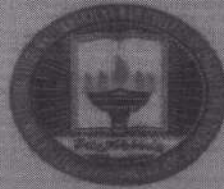
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CERTIFICATE

This is to certify that the project work entitled "POLLUTION METHOD CONTROL" is a bonafide work carried out by Mr. G SAI DAYAKAR REDDY (19KT1A0582), Mr. M NITHIN (19KT1A05A7), Mr. CH DURGA VINOD (19KT1A0573), Mr. M JAGADEESH (20KT1A0514), Ms. LAKSHMI PRASANNA (19KT1A05A0). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree


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External Examiner

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Department of Computer Science and Engineering

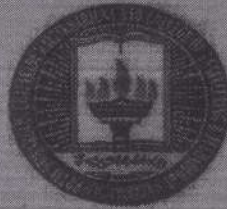
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CERTIFICATE

This is to certify that the project work entitled "CITIZEN COP" is a bonafide work carried out by Ms. RAYANASUSNIGDHA (19KT1A05B6), Mr. CHINIGEPALLISHARATHI (19KT1A0576), Ms. GARUGUAPARNA DURGA (19KT1A0583), Mr. RAMAYANAM VENKATA SAI SUMANTH (19KT1A05B3), Mr. SUBBANAGARI PRADEEP KUMAR (20KT5A0513). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

S. Sarath Chandra
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[Signature]

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



CERTIFICATE

This is to certify that the project work entitled "SMART WATER MANAGEMENT USING IOT ENVIRONMENT" is a bonafide work carried out by Mr. PARILLA BRAHMAM (19KT1A05B0), Ms. TADAVARTHI THEJASHRI (19KT1A05C3), Mr. GUDDANTI J.S.S. KUMAR (19KT1A0585), Mr. THONDEPU RAKESH SAI (19KT1A05C4), Ms. KALAKOTI REBECCA (19KT1A0591). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawahar Lal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

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10/07/21

External Examiner

Head of the Department

PRINCIPAL

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KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled

**"GENERATING CHALLAN FOR PERSONS WITHOUT MASK
AUTOMATICALLY"**

" is a bonafied work carried out by M & T.DEVI CHANDANA SRAVYA (19KT1A0580), Mr. LSRI HARSHA (19KT1A0589), Mr. GSUDHEER BABU (19KT1A0584), Mr.M.LOHITH(19KT1A05A5), Mr. SK.SADHAM HUSSAIN(20KT5A0510).Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

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Head of the Department

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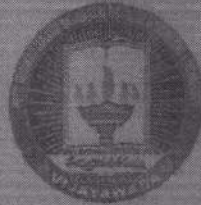
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CERTIFICATE

This is to certify that the project work entitled "ON TEXTUAL ANALYSIS AND MACHINE LEARNING FOR CYBER STALKING DETECTION" is a bonafide work carried out by Ms.D.Kavya(19KT1A0581), Ms.C.Prasanthi (19KT1A072), Ms.P.Srujana(19KT1A081), Mr.M.Lokesh(19KT1A05A1), Mr.N.Rohit(19KT1A0A8). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.


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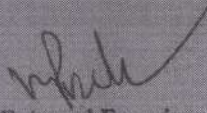


CERTIFICATE

This is to certify that the project work entitled "Street light monitoring using Arduino based on vehicle movement" is a bonafide work carried out by Ms. A.Meghana (19KT1A0505), Ms. T.Mahalakshmi (19KT1A0553), Ms. V.Mounika (19KT1A0561), Mr. V.Saketh Ram (19KT1A0558), Mr. G.Prasanth (19KT1A0522). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree


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CERTIFICATE

This is to certify that the project work entitled "IOT FOR AGRICULTURE TO REDUCE WATER CONSUMPTION IN SMART FARMS" is a bonafide work carried out by Mr. K. Rakesh Babu (19KT1A0593), Mr. I. Sai Charan (19KT1A0588), Mr. P. Rajesh (19KT1A062), Ms. B. Harika (19KT1A0571), Ms. Sk. Thabasum (20KTSA0512). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

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28/8/21

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Head of the Department

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "IMPROVE QUALITY OF EDUCATION IN RURAL AREAS" is a bonafide work carried out by Ms. YAMANURI PRATYUSHA(19KT1A0564), Mr. GADDAM KAMESWARA RAO (19KT1A0520), Ms. MUSKAAN MOHAMMAD(19KT1A0541), Ms. BAYANA GEETHA (19KT1A0508), Ms. BOMMISSETTY PRIYANKA(19KT1A0512). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

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27/02/2021

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Head of the Department

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**DEPARTMENT OF COMPUTER SCIENCE AND
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CERTIFICATE

This is to certify that the project work entitled "RFID BASED WATER DISTRIBUTION SYSTEM" is a bonafide work carried out by Mr. PONNURI BHAVANI DHANUSH (19KT1A0549), Ms. UPPALURU SAI SRI VAISHNAVI (19KT1A0556), Ms. POKURI PALLAVI (19KT1A0548), Ms. MUKKALA TEJASWINI (19KT1A0539), Mr. NADAKUDURU VENKATESH (19KT1A0542). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

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CERTIFICATE

This is to certify that the project work entitled "PRIORITY TO EDUCATION OF GIRLS IN RURAL AREAS" is a bonafide work carried out by Ms.Byreddy Navya (19K1A0513), Ms.Atmakuri Alekhya(19K1A0504), Ms.Thota Sushma (19K1A0555), Mr.Jorige Abivignay (19K1A0524), Mr.Karampudi Jayanth(19K1A0525).Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2019-2023. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "WASTE FOOD MANAGEMENT AND DONATION APP" is a bonafide work carried out by Ms. B. Sravana Kumari (19KT1A0509), Ms. P. Sai Harshitha (19KT1A0545), Ms. S. Tulasi (19KT1A0551), Ms. P. Tanmayi (19KT1A0544), Mr. A. Ganesh Reddy (19KT1A0567). Partial Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "E-DUSTBIN" is a bonafide work carried out by Ms. Vemula Rajitha Hyma (19KT1A0560), Mr. Chalumalasetti Girish (19KT1A0516), Ms. Marupuri Navya (19KT1A0535), Ms. S. L. Swarnamalya Anumalasetty (19KT1A0550), Mr. N. Janga Manikanta Reddy (19KT1A0523). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

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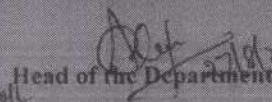
DEPARMENT OF COMPUTER SCIENCE AND ENGINEERING

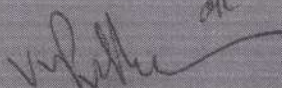


CERTIFICATE

This is to certify that the project work entitled "INTERNET OF THINGS FOR INTELLIGENT TRAFFIC MONITORING SYSTEM" is a bonafide work carried out by Ms. Karamsetty Sai Suvarna(19KT1A0526), Ms. Munagala Priyanka(19KT1A0540), Ms. Voggu Pranitha(19KT1A0562), Ms. Rentala Sai Keerthana(19KT1A0566), Ms. Peram Durga Anusha(20KT5A0506). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2020-2021**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree


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**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**



CERTIFICATE

This is to certify that the project work entitled "SWACHH CITY" is a bonafide work carried out by Ms. KONJETI HEMA LAKSHMI BHAVANI(19KT1A0528), Mr. YEJAAZ BAIG(19KT1A0565), Ms. VUDATHU VENKATA KRISHNA SAI POOJITHA(19KT1A0563), Ms. MEKA NAGA NANDINI DEVI(19KT1A0536), Ms. CHIRALA JAYA(20KT5A0502). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

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Head of the Department

[Signature]
External Examiner

PRINCIPAL

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CERTIFICATE

This is to certify that the project work entitled "VOLUNTEER IN INDIA FOR TEACHING ENGLISH TO POOR CHILDREN WITH 'WE VOLUNTEER IN INDIA'" is a bonafide work carried out by Ms. BITRA MOUNIKA (19KT1A0510), Ms. KOSURI RUCHITHA SRI (19KT1A0529), Mr. MUGADA SATYA VARA PRASAD (19KT1A0538), Ms. BOGGARAPU RUPA (19KT1A0511), Mr. KOLLI DAYAKAR (20KT5A0503). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

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CERTIFICATE

This is to certify that the project work entitled "Bringing Awareness And Educating People About Cybercrimes Through Website" is a bonafide work carried out by Ms. K.Neelima (19KT1A0530), Ms. S.Sowmya (19KT1A0552), Ms. CH.Indu (19KT1A0518), Mr. A.Srinivasa Rao (19KT1A0503), Ms. D.Chandra Deepika (20KT5A0505). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

S. Sarath Chandra
Project Guide

[Signature]
Head of the Department

[Signature]
External Examiner

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "HEALTH CARE RELATED PROBLEMS" is a bonafide work carried out by Ms. MADDI LAKSHMI SAI KUNDANA (19KT1A0533), Mr. AVULA SAI HITESH YADAV (19KT1A0506), Mr. MANAM SAI KUMAR (19KT1A0534), Mr. CHAKKA VENKATA SAI ROHIT KUMAR (19KT1A0514), Ms. JETTI NANDINI (20KT5A0507). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

V. Jagadeesh
Project Guide

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College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.**



**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY**

Department of Computer Science and Engineering

**II CSE Social Relevance Projects
2020-21**


**POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY
KOTHAPET, VIJAYAWADA-520001.**

**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**



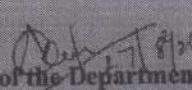
CERTIFICATE

This is to certify that the project work entitled "FIRST AID APP" is a bonafide work carried out by Ms. Divi Kavya (19KT1A0519), Ms. Aradhyula Jaya Sri Raja Rajeswari (19KT1A0502), Ms. Pitta Madhuri (19KT1A0547), Ms. Pillarisetty Satwika (19KT1A0546), Mr. Sithamaraju V N K Sai Sriharsha (20KT5A0504). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree


Project Guide

27/8/21


External Examiner


Head of the Department


PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY
KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "INSPECTION OF SURVEILLANCE VIDEOS TO DETECT SUSPICIOUS ACTIVITY USING DEEP LEARNING" is a bonafide work carried out by Ms. R.VINEELA (17KT1A0544), Ms. B.TARUNI (17KT1A0506), Ms. MSINDHU (17KT1A0534), Ms. P.MOHANA (17KT1A0543). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

Project Guide

External Examiner

Head of the Department

PRINCIPAL
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Kothapet, VIJAYAWADA-520 001.



POTTISRIRAMULU CHALAVADI MALLIKARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

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COLLEGE OF ENGINEERING & TECHNOLOGY
KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "GEOMAGNETIC STROM PREDICTION USING MACHINE LEARNING" is a bonafide work carried out by Ms. N.NAVYASRI VENIGALLA (17KT1A0597), Ms. D. DEVI (18KT5A0515), Mr.K.V.SAVINASH (17KT1A0583), and Mr.G.S.V.M.D HARINADH (17KT1A0576).Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It iscertified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree


Project Guide


Head of the Department

External Examiner


PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
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COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING.



CERTIFICATE

This is to certify that the project work entitled "A CLUSTER-BASED APPROACH FOR EXTRACTING REDUNDANCY-AWARE TOP-K CO-LOCATION PATTERNS" is a bonafide work carried out by Ms. A.DEDEEPPYA (17KT1A0504), Ms. TSAILAJA (17KT1A0548), Ms. K.INDU PRIYA (17KT1A0516), Ms. N.DIVYA (18KT5A0514). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

Project Guide

Head of the Department

External Examiner

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTISRIMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

POTTISRIMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-830001

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "AIR TRAFFIC DELAY WITH CORRECTION USING MACHINE LEARNING" is a bonafide work carried out by Mr. T. VENKATESH (17KT1A0507), Mr. M. VENKATASAI (17KT1A0593), Ms. G. LAKSHMI PAVITHRA (17KT1A0574), Ms. S. KARISHMA (18KT5A0521) fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University Kakinada, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

[Signature]
Project Guide

[Signature]
Head of the Department

External Examiner

[Signature]

PRINCIPAL

Pottt Srimulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-830 001.



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

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COLLEGE OF ENGINEERING & TECHNOLOGY
KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING




CERTIFICATE

This is to certify that the project work entitled "CUSTOMER CHURN PREDICTION IN TELECOMMUNICATION SECTOR USING kbest FEATURE SELECTION" is a bonafide work carried out by Ms. V.P.V.LAKSHMI DURGA (17KT1A0551), Ms. Y.V.MAHALAKSHMI (17KT1A0555), Ms. A. HEMALATHA (18KT5A0502), Ms. M.DINEESHA DEVI (18KT5A0513). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.


Project Guide

External Examiner


Head of the Department


Principal
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO

COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to JNTU-Kakinada)

KOTHAPET, VIJAYAWADA-520001, A.P.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

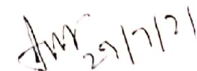


CERTIFICATE

This is to certify that the project work entitled "INDIAN PREMIER LEAGUE MATCH SCORE PREDICTION USING MACHINE LEARNING ALGORITHMS" is a bonafide work carried out by Mr. A.PRAMOD (17KT1A0561), Ms. G.SANDHYA (17KT1A0573), Ms. K.UMA (17KT1A0586), Mr. K.HEMA VINAY KUMAR (17KT1A0579). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.


Project Guide

Mrs. V. Sowjanya, M.Tech


29/7/21

Head of the Department

Dr. A. Pathanjali Sastri

(Professor & HoD of CSE)

External Examiner



PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "AN EFFICIENT IMAGE FORGERY DETECTION USING SURF" is a bonafide work carried out by Ms. A.MANASAVENNALA (17KT1A0501), Ms. K.MANASA (17KT1A0521), Ms. B.HARIKA BAI (17KT1A0505), Ms. K.ROSHINI (17KT1A0526). Fulfilment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

B. Senthil
Project Guide

for 27/7/21
Head of the Department

External Examiner

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

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COLLEGE OF ENGINEERING & TECHNOLOGY
KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "A CNN BASED APPROACH TO IDENTIFY THE NOVEL DISEASES IN PLANTS" is a bonafide work carried out by Ms. PEESA TEJASWI (17KT1A05A3), Ms. SANGAPU LEELALIKHITA (17KT1A05B1), Mr. MOHAMMAD AMIDULLA (17KT1A0592), and Mr. TATA RAVI SAI KRISHNA (18KT5A0523). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

V. Nageswara Reddy
Project Guide

[Signature] 2/11/21
Head of the Department

External Examiner

[Signature]

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

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COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

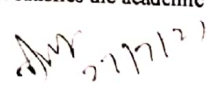
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "Detecting Spam Email With Machine Learning Optimized With Bio-Inspired Meta-heuristic Algorithm" is a bonafide work carried out by Mr. G.SRI VARUN (17KT1A0577), Mr. S.ZAHID (17KT1A05B3), Ms. N.PUJITHA (17KT1A0596), Mr. R.DINESH VARMA (17KT1A05A9). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree


Project Guide


Head of the Department

External Examiner



PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna
College of Engineering & Technology
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POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

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COLLEGE OF ENGINEERING & TECHNOLOGY
KOTHAPET, VIJAYAWADA-820001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "**PREDICTION OF CRIME HOTSPOTS USING GEO TAGGED TWEETS**" is a bonafide work carried out by **Ms. SK. NOUSHIN BANU (17KT1A0546)**, **Mr. N. NAGESWARA RAO (17KT1A0557)**, **Ms. V. PADMAVATHI (17KT1A0550)**, **Ms. A. ANITHA (18KT5A0501)**. Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2020-2021**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

Dr. K. S. R.
Project Guide

Dr. K. S. R.
Head of Department

External Examiner

Dr. K. S. R.

PRINCIPAL

Potti Srimulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-820 001.



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO
COLLEGE OF ENGINEERING & TECHNOLOGY
KOTHAPET, VIJAYAWADA - 520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "IMAGE DE-RAINING USING CONDITION ADVERSARIAL NETWORK" is a bonafide work carried out by Ms. P.SAILAKSHMI(18KT5A0518), Ms.MD.AMEENA (17KT1A0591), Ms.P.PRATYUSHA (18KT5A0520), Mr.P.PAVAN SAI GOPI KRISHNA(18KT5A0519). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2020-2021**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

Project Guide
27/4/2021

27/7/21
Head of the Department

External Examiner

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
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Kothapet, VIJAYAWADA-520 001.



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COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

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COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DETECTION OF PSYCHOLOGICAL INSTABILITY USING RANDOM FOREST MACHINE LEARNING ALGORITHM" is a bonafide work carried out by MS. M.HARIKA (17KT1A0536), MS.M.SAI LAKSHMI (17KT5A0527), MS.K.SHREI SHUPRAJA (17KT5A0523), MS.D.NANDINI KUMARI (18KT5A0506). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

G. Padmaja
Project Guide

An
9/11/21
Head of the Department

External Examiner

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PRINCIPAL

Potti Srimulu Chalavadi Mallikarjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTIRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY
KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "FRUIT QUALITY DETECTION USING MACHINE LEARNING ALGORITHMS" is a bonafide work carried out by Ms. SK.RIZWANA (18KT5A0522), Ms. O.LIKITHA RAJESWARI (17KT1A0598), Ms. P.NIKITHA (17KT1A05A2), Mr. P.PHANI KUMAR (17KT1A05A6). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

Project Guide

Head of the Department

External Examiner

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao,
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POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO
COLLEGE OF ENGINEERING & TECHNOLOGY
KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "PSCMR RESULTS PORTAL" is a bonafide work carried out by Mr. K. THIRUMALESH (17KT1A0587), Mr. K. JAYASURYA (17KT1A0584), Mr. P. MOHAN VAMSI (17KT1A05A1), Mr. A.L.G. DEEPU (17KT1A0562). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year **2020-2021**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

Project Guide

Head of the Department

External Examiner

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna .
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "PLACEMENT PREDICTION SYSTEM USING META LEARNING ALGORITHM" is a bonafide work carried out by Ms. M. TEJASWINI(17KT1A0531), Ms. P.V N DHARANI(17KT1A0539), Ms. K. DIVYA(17KT1A0511), Ms. M. HANISHA (17KT1A0530). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

Project Guide

27/7/21

Head of the Department

External Examiner

PRINCIPAL

Potti Srimulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

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COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "HYBRID CRYPTOGRAPHY FOR SECURE CLOUD COMPUTING USING SHA AND ECC" is a bonafide work carried out by Mr. M.NAGA PHANI RAM GOPAL (17KT1A0589), Mr. P.YESWANTH (17KT1A05A7), Ms. K.PRIYANKA (18KT5A0516), Mr. N.DHANA NAGA SAI(17KT1A0595). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

27/7/21
Project Guide

27/7/21
Head of the Department

External Examiner

PRINCIPAL
Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

POTTI SRIRAMULU CHALAVADI MALLIKHARJUNARAO

COLLEGE OF ENGINEERING & TECHNOLOGY

KOTHAPET, VIJAYAWADA-520001.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "AN AUTOMATIC SYSTEM FOR SEGMENTATION OF BONE CRACK USING EDGE CANNY DETECTION" is a bonafide work carried out by Ms. P.BHARGAVI (17KT1A0541), Ms. M.GEETA SRAVANI (17KT1A0533), Ms. K.SAILAJA (17KT1A0545), Ms. B.HEMASRI (18KT5A0504). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

Project Guide

(*[Signature]*)

Head of the Department

(*[Signature]*)
27/1/21

External Examiner

(*[Signature]*)

PRINCIPAL

Potti Sriramulu Chalavadi Mallikharjuna Rao
College of Engineering & Technology
Kothapet, VIJAYAWADA-520 001.



POTTI SRIRAMULU CHALAVADI MALLIKHARJUNA RAO
COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

2017-2021 Projects

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COLLEGE OF ENGINEERING & TECHNOLOGY

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CERTIFICATE

This is to certify that the project work entitled "CROP YIELD PREDICTION USING MACHINE LEARNING" is a bonafide work carried out by Ms. P.MANASA (18KT5A0517), Ms. K.GLORY (17KT1A0582), Mr. B.BHARATH (17KT1A0570), Mr. B.BALA SIVA SAI (17KT1A05B4). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree


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COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DATA POISON DETECTION SCHEMES FOR DISTRIBUTED MACHINE LEARNING" is a bonafide work carried out by P.LAVANYA VALLI(17KT1A0538), V.CHARITHA(17KT1A0552), G.SASI DURGA(18KT5A0507), P.SAI LEELA SRI (17KT1A0537). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.


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CERTIFICATE

This is to certify that the project work entitled "TEXT SUMMARIZATION USING NATURAL LANGUAGE PROCESSING" is a bonafide work carried out by Mr. Y. RAHUL (17KT1A05B9), Mr. M. DHEERAJ (17KT1A0588), Mr K. AJAYKUMAR (17KT1A0585), Ms. K. VISHALINI (17KT1A0580) Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

B. Sarath Chandra
Project Guide

Am. 20/11/21
Head of the Department

External Examiner

One

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CERTIFICATE

This is to certify that the project work entitled "DETECTION OF FAKE AND CLONE ACCOUNTS IN TWITTER" is a bonafide work carried out by Ms. K.N.V. LAKSHMI GOWRI BAYANA (17KT1A0514), Ms. K. BHAVANA (17KT1A0518), Ms. M. LIKHITHA (18KT5A0512), Ms. K. LIKHITHA (17KT1A0520). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

V. Naga Sree
Project Guide

[Signature]
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CERTIFICATE

This is to certify that the project work entitled "IDENTIFICATION OF LANDSLIDES WITH DEEP LEARNING TECHNIQUES" is a bonafide work carried out by

Mr. N. V. SAI VINETHA TAMMANA (17K11A0594), Mr. PONNADA PHANINDRA KUMAR (17K11A0595), Mr. BHEEMAVARAPU ANUHYA SHIVAMANI (17K11A0596), Mr. NITAIK SAIMAN (17K11A05B2). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.

[Signature]
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CERTIFICATE

This is to certify that the project work entitled "SECURE AUTHENTICATION IN CLOUD" is a bonafide work carried out by Ms. CH. PREMANJALI (17KT1A0508), Ms. MUBASHREEN TAHA (17KT1A0535), Ms. K. SONY CHOWDARY (17KT1A0519), Ms. P. NAGA CHAITANYA LAKSHMI (17KT1A0542). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.


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CERTIFICATE

This is to certify that the project work entitled "RAINFALL PREDICTION USING LLRS ALGORITHMS" is a bonafide work carried out by Ms. B.VASAVI RENUKA(17KT1A0564), Ms. P.JYOTHI (17KT5105A4), Ms. S.MONICA (178H1A0516), MR SD.SUHEAL AHAMAD (17KT1A05B4) fulfilment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree


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CERTIFICATE

This is to certify that the project work entitled "A MACHINE LEARNING APPROACH TO PROVIDE DATA SECURITY ON CASHLESS SOCIETY" is a bonafide work carried out by Ms. MKAMAKSHI(17KT1A0532), Ms. N.V.S.SRILEKHA(17KT1A0554), Mr. R.VIJAY KRISHNA(17KT1A0560), Ms. A.PAVANI(18KT5A0503). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree


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(APPROVED BY AICTE NEW DELHI, AFFILIATED TO JNTU-KAKINADA)

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CERTIFICATE

This is to certify that the project work entitled "**DETECTION OF FAKE PROFILES ON FACEBOOK USING MACHINE LEARNING**" is a bonafide work carried out by Ms. B.SANTHOSHI (17KT1A0568), Mr. MD.SHOAIB AHMED (17KT1A0590), Mr. BJOHN CHRISTOPHER (17KT1A0571), Ms. G.RESHMA SWAROOPA (17KT1A05B0), Mr. U.SAI MURTHY (18KT5A0524). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2017-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.


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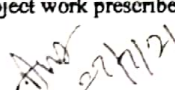
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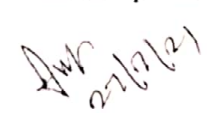
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CERTIFICATE

This is to certify that the project work entitled “ **RAPID EYE MOVEMENTS USING KNN ALGORITHM**” is a bonafide work carried out by Mr. A.SASIDHAR MAHESH (17KT1A0556), Ms. K.SAI DURGA NAVYA (18KT5A0509), Ms. G.PHANI SREE (17KT1A0512), Ms K.MONI PRIYA (17KT1A0517). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree


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CERTIFICATE

This is to certify that the project work entitled "DETECTING PHISING ATTACKS USING MACHINE LEARNING" is a bonafide work carried out by Ms. A.VANDANA (17KT1A0563), Mr. V. TEJA (17KT1A0588), Ms. B.DEEPIKA (17KT1A0567), Ms. K.RAJSREE (17KT1A05A8) Ms. P.MANI PUJITHA (17KT1A05A0). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

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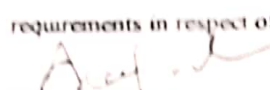
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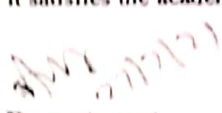
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CERTIFICATE

This is to certify that the project work entitled " THE DETECTION OF COVID-19 FROM CHEST X-RAY USING RESNET-50 ALGORITHM " is a bonafide work carried out by Ms. A. KRISHNA KEERTHI (17KTIA0503), Ms.A.VENKATA SNIGDHA(17KTIA0502), MS.K.SUSHMITA SANTOSH(17KTIA0515), Ms.CH.GAMYA SRI(18KTIA0505). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.


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CERTIFICATE

This is to certify that the project work entitled "AN ACCURATE IMAGE SEGMENTATION AND ENCRYPTION USING MODIFIED CHAOTIC SYSTEM" is a bonafide work carried out by Ms. SYED NAFFIS TABASSUM (17KT1A0547), Ms. KOTAMARTHI LAHARI (17KT1A0522), Ms. PATHIVADA PRAMEELA (17KT1A0540), Ms. TELAPROLU SAI DHARANI (17KT1A0549). Fulfillment for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree

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27/1/2021

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CERTIFICATE

This is to certify that the project work entitled "AN ENSEMBLE CLASSIFIER FOR IDS USING MACHINE LEARNING ALGORITHMS" is a bonafide work carried out by Ms. M.NEEHA LAKSHMI (18KT5A0511), Ms. G.DURGA BHAVANI (18KT5A0508), Ms. K.JAYA PUJITHA (17KT1A0525), Ms. M.UDAYA SRI CHANDRAKALA (17KT1A0553). Fulfillment for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** of Jawaharlal Nehru Technological University, Kakinada during the year 2020-2021. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree


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