#### KAKINADA



DESIGN AND ANALYSIS OF BOX CULVERT: A MANUAL APPROACH

A project report submitted to the

#### Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

#### **BACHELOR OF TECHNOLOGY**

#### IN

#### **CIVIL ENGINEERING**

By

N. SOWJANYA(16H71A0131)

P. VAMSI (17H75A0130)

N. PAVAN KALYAN (17H75A0111)

) T. NAGA GOPI(16H71A0119)

Under the esteemed guidance of

Mr. CH.P.S.SAINADH, M.Tech.

**Assistant Professor** 



DEPARTMENT OFCIVILENGINEERING

DevineniVenkataRamana& Dr. HimaSekhar MIC College of Technology AUTONOMOUS Kanchikacherla, Krishna Dist., AP-521180 Accredited With NAAC'A' Grade, NBA Accredited With B.Tech (CSE, ECE & ME) An ISO 9001:2015 Certified Institute

# 2019-2020



DevineniVenkataRamana& Dr. HimaSekhar MIC College of Technology

AUTONOMOUS Kanchikacherla, Krishna Dist., AP-521180 Accredited With NAAC'A' Grade, NBA Accredited With B.Tech (CSE, ECE &ME) An ISO 9001:2015 Certified Institute

#### **CERTIFICATE**

Thisis to certify that the project reportentitled "DESIGN OF BOX CULVERT" Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada is a bonafidework done by N.SOWJANYA (16H71A0131), N.PAVAN KALYAN (17H75A0111), P. VAMSI (17H75A0130), T. NAGA GOPI (16H71A0119) under myguidance during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

# Mr. CH. P. S. Sainadh, M.Tech Mr. N.V. Subba Rao, M.E Ph.D.)

Assistant professor **Project Guide**  Associate Professor Head of the Department

Dr. Y. SudheerBabu, Ph.D. IITM Professor & Principal

#### EXTERNAL EXAMINER

#### KAKINADA



#### UTILIZATION OF WASTE PLASTIC IN FLY ASH BRICKS

A project report submitted to the

#### Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

#### **BACHELOR OF TECHNOLOGY**

#### IN

**CIVIL ENGINEERING** 

#### By

ALI . SYED (16H71A0103)

CHINNA OBULESH. D (17H75A0135)

NARASIMHA REDDY. S (16H71A0120) SUBRAMANYAM. P (16H71A0174)

Under the esteemed guidance of

Ms. P.L.K.SOWJANYA, M.Tech.

Assistant Professor

#### DEPARTMENT OF CIVIL ENGINEERING

Devineni Venkata Ramana& Dr. Hima Sekhar MIC College of Technology AUTONOMOUS Kanchikacherla, Krishna Dist., AP-521180 Accredited With NAAC'A' Grade, NBA Accredited With B.Tech (CSE, ECE & ME) An ISO 9001:2015 Certified Institute 2019-2020



#### **CERTIFICATE**

This is to certify that the project report entitled "UTILIZATION OF WASTE PLASTIC IN FLY ASH BRICKS" Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada is a bonafide work done by ALI SYED (16H71A0103), CHINNA OBULESH. D (17H75A0135), NARASIMHA REDDY. S (16H71A0120), SUBRAMANYAM. P (16H71A0174) under myguidance during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Ms. P.L.K. Sowjanya, M.Tech Assistant professor Project Guide Mr. N.V. Subba Rao Associate Professor Head of the Department

Dr. Y. Sudheer Babu, Ph.D. IITM Professor & Principal

#### KAKINADA



#### DESIGN AND ANALYSIS OF EDUCATINAL INSTITUTE

#### **BY USING ETABS**

A project report submitted to the

#### Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the Degree of

#### **BACHELOR OF TECHNOLOGY**

#### IN

**CIVIL ENGINEERING** 

#### By

P.VASAVI (16H71A0137) D.UDAY KUMAR (16H71A0177)

J.SYAM KUMAR (17H75A0128) A.NAGASAI (16H71A0164)

#### Under the esteemed guidance of

CH.P.S.SAINADH, M.Tech

#### **Assistant Professor**

#### **Department Of Civil Engineering**



2019-2020



#### CERTIFICATE

This is to certify that the project report entitled "DESIGN AND ANALYSIS OF EDUCATIONAL INSTITUTE BY USING ETABS" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada, is a Bonafide work done by P.VASAVI, J.SYAM KUMAR, D.UDAY KUMAR & A.NAGASAI with Regd Nos: 16H71A0137, 17H75A0128, 16H71A0177, 16H71A0164 under my guidance during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

ii

# INDUSTRY

#### DOM: STR

CH.P.S.SAINADH, M.Tech Assistant Professor Project Guide Mr. N. V. SUBBA RAO, M.E (PhD) Associate Professor Head of the Department

Dr. Y. Sudheer Babu, PhD (IITM)

Principal

#### EXTERNAL EXAMINER

#### KAKINADA



# HYDRAULIC DESIGN OF WATER TREATMENT PLANT

A project report submitted to the

#### Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

#### **BACHELOR OF TECHNOLOGY**

IN

CIVIL ENGINEERING By

JAYA SRI.N (16H71A0154) SRINU.M (17H75A0125) VENKATA GANESH (17H75A0131) NAVEEN.N (16H71A0121)

Under the esteemed guidance of

Ms. G. SUKANYA, M.Tech.

Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING





Kanchikacherla-521180, Krishna Dist., A.P. India. 2019-2020





#### **CERTIFICATE**

This is to certify that the project report entitled "HYDRAULIC DESIGN OF WATER TREATMENT PLANT "Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada is a bonafide work done by JAYA SRI.N (16H71A0154), VENKATA GANESH (17H75A0131), SRINU.M (17H75A0125), NAVEEN. N (16H71A0121) under my guidance during the academic year 2016-2017 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

# EDUCATIONMrs. G.SUKANYA, M.TechMr. N.V. Subba Rao, M.E Ph.D.Assistant professorAssociate ProfessorProject GuideHead of the Department

Dr. Y. Sudheer Babu, Ph.D. IITM Professor & Principal



# A STUDY ON IRRIGATION REQUIREMENT FOR PADDY AND MAIZE CROPS USING CROPWAT

A project report submitted to the Jawaharlal Nehru Technological University Kakinada In partial fulfilment for the award of the degree of

#### BACHELOR OF TECHNOLOGY In CIVIL ENGINEERING

#### By

**P.TANUJA REDDY** (16H71A0134) **M.YESHWANTH MANI KUMAR** (17H75A0134)

**P.YUVA BINDU** (16H71A0182)

J.VENKATA SAI (17H75A0132)

> rneoite H-krndö

Under the Guidance of Ms. B.DURGA PRIYANKA, M.Tech Assistant professor Department of Civil Engineering



2019-20

#### **CERTIFICATE**

This is to certify that the project report entitled "A STUDY ON IRRIGATION REQUIREMENT FOR PADDY AND MAIZE CROPS USING CROPWAT" being submitted for the partial fulfilment of the requirements for the award of the degree ,Bachelor Of Technology In Civil Engineering from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a bonafied work done by Ms. P.TANUJA REDDY (16H71A0134) , Ms. P.YUVA BINDU (16H71A0182), Mr. M.YESHWANTH MANI KUMAR (17H75A0134) , Mr. J.VENKATA SAI (17H75A0132) under my guidance during the academic year 2019-20 and it has been suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Ms. B. DURGAPRIYANKA, M.Tech Assistant professor Project Guide Mr. N.V.SUBBA RAO, M.E, (PhD) Associate professor Head of the Department

Dr. Y.SUDHEER BABU, PhD Principal

#### KAKINADA



#### STABILIZATION OF SUBGRADE SOIL BY USING

#### **GEO-GRIDS**

A project report submitted to the

#### Jawaharlal Nehru Technological University, Kakinada

in partial fulfillment for the award of the degree of

#### **BACHELOR OF TECHNOLOGY**

#### IN

**CIVIL ENGINEERING** 

#### By

P. BALAJI (16H71A0105) V. V. S. N. GOPI (17H75A0133) G. PITHAJI (17H75A0112) S. GOPI (16H71A0109)

Under the esteemed guidance of

Mr. T. V. SIVA NAGA BABU, M.Tech.

**Assistant Professor** 

#### DEPARTMENT OF CIVIL ENGINEERING



# MIC College of Technology

Devineni Venkata Ramana & Dr. Hima Sekhar



Kanchikacherla, Krishna Dist., AP-52118 Accredited With NAAC'A' Grade NBA Accredited With B.Tech (CSE, ECE& ME) An ISO 9001:2015 Certified Institute 2019 - 2020



#### **CERTIFICATE**

This is to certify that the project report entitled "STABILIZATION OF SUBGRADE SOIL BY USING GEO-GRIDS" Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada is a bonafide work done by Balaji. P (16H71A0105), Venkata Siva Naga Gopi. V (17H75A0133), Pithaji. G (17H75A0112), Gopi. S (16H71A0109) under my guidance during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr. T.V SIVA NAGA BABU, M.Tech Assistant professor Project Guide Mr. N.V SUBBA RAO, M.E, Ph.D Associate Professor Head of the Department

Dr. Y. Sudheer Babu, Ph.D. IITM

**Professor & Principal** 

#### KAKINADA



#### MUNICIPAL SOLID WASTE MANAGEMENT IN VIJAYAWADA

A project report submitted to the Jawaharlal Nehru Technological University Kakinada In partial fulfilment for the award of the degree of BACHELOR OF TECHNOLOGY

#### IN

**CIVIL ENGINEERING** 

#### By

GOWTHAMI. K (16H71A0110) SAI VIVEK. D (17H75A0119)

RAJESHKHANNA.B (17H75A0113)

13) ANURAG. B (16H71A0145)

Under the esteemed guidance of

Mrs. SUKANYA, MTech.

DEPARTMENT OF CIVIL ENGINEERING

(Environmental engineering)



#### **CERTIFICATE**

This is to certify that the project report entitled "MUNICIPAL SOLID WASTE MANAGEMENT IN VIJAYAWADA" Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada is a bonafide work done by GOWTHAMI. K (16H71A0110), SAI VIVEK. D(17H75A0119), RAJESHKHANNA. B (17H75A0113), ANURAG. B (16H71A0145) under my guidance during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mrs. SUKANYA, MTech

Mr. N.V. Subba Rao, M.E Ph.D.

Assistant professor

Associate Professor

**Project Guide** 

Head of the Department

Dr. Y. Sudheer Babu, Ph.D. IITM

Professor & Principal

**External Examiner** 



Kanchikacherla-521180, Krishna Dist., A.P. India.

2019-2020

#### KAKINADA



EXPERIMENTAL INVESTIGATION ON HYBRID FIBER REINFORCED CONCRETE

A project report submitted to the

#### Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

#### **BACHELOR OF TECHNOLOGY**

#### IN

**CIVIL ENGINEERING** 

#### By

RAVEENDRA BABU. L (17H75A0114) BALAJI. CH (16H71A0104) MANIKANTA SAI. N(16H71A0116) SRIKANTH. B (16H71A0133)

Under the esteemed guidance of

Ms. P.L.K.SOWJANYA, M.Tech.

Assistant Professor

#### DEPARTMENT OF CIVILENGINEERING



Devineni Venkata Ramana& Dr. Hima Sekhar MIC College of Technology



AUTONOMOUS AUTONOMOUS Kanchikacherla, Krishna Dist., AP-521180 Accredited With NAAC'A' Grade, NBA Accredited With B.Tech (CSE, ECE & ME) An ISO 9001:2015 Certified Institute 2019-2020



Devineni Venkata Ramana& Dr. Hima Sekhar MIC College of Technology AUTONOMOUS



Kanchikacherla, Krishna Dist., AP-521180 Accredited With NAAC'A' Grade, NBA Accredited With B.Tech (CSE, ECE & ME) An ISO 9001:2015 Certified Institute

#### **CERTIFICATE**

This is to certify that the project report entitled "EXPERIMENTAL INVESTIGATION ON HYBRID FIBER REINFORCED CONCRETE" Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada is a bonafide work done by RAVEENDRA BABU.L (17H75A0114), MANIKANTA SALN(16H71A0116), BALAJI.CH (16H71A0104), SRIKANTH.B (16H71A0133) under my guidance during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.



Dr. Y. Sudheer Babu, Ph.D. IITM Professor & Principal

#### KAKINADA



# ASSESSMENT OF INDUSTRIAL EFFLUENT QUALITY

A project report submitted to the

#### Jawaharlal Nehru Technological University Kakinada

In partial fulfilment for the award of the degree of

#### **BACHELOR OF TECHNOLOGY**

In

#### **CIVIL ENEINEERING**

#### Submitted by

K. MANISHA (16H71A0117)

U. HARINARAYANA (16H71A0112)

K. DURGA PRASAD (16H71A0108)

K. HARITHA (16H71A0151)

K. S. L. KIRANMAI (17H75A0124)

Under the Esteemed Guidance of

#### MS. J. LAVANYA, M.Tech

Assistant professor

#### **Department of Civil Engineering**



2019-2020



# **CERTIFICATE**

This is to certify that the project report entitled "ASSESSMENT OF INDUSTRIAL EFFLUENT QUALITY" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Civil Engineering from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a Bonafide work done by K.MANISHA (16H71A0117), U.HARINARAYANA (16H71A0112), K.DURGAPRASAD (16H71A0108), K.HARITHA (16H71A0151), K.S.L.KIRANMAI (17H75A0124) under my guidance during the academic year 2019-20 and it has been suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.



MS J. LAVANYA, M.Tech Assistant Professor Project Guide Mr. N. V. SUBBA RAO, M.E, PhD Associate Professor Head of the Department

Dr. Y. SudheerBabu, PhD,IITM Principal

EXTERNALEXAMINER

**DESIGN AND ANALYSIS OF CANTILEVER RETAINING** WALL AND REIN FORCED EARTH WALL

A project report submitted to the

#### Jawaharlal Nehru Technological University Kakinada

In partial fulfilment for the award of the degree of

# **BACHELOR OF TECHNOLOGY**

In

# **CIVIL ENEINEERING**

#### By

- K. VENKATA RAO (16H71A0138)
  - P. RAMA KRISHNA (16H71A0169)
- K. SAMBA SIVA RAO
- (16H71A0128) K. RAKESH (16H71A0124)

G. SRIKANT

(17H75A0123)

Under the Esteemed Guidance of

#### Mr. N.S.M. RAVI KUMAR, MTech

#### Assistant professor

**Department of Civil Engineering** 



2019-2020



# CERTIFICATE

This is to certify that the project report entitled "DESIGN AND ANALYSIS OF CANTILEVER RETAINING WALL AND REIN FORCED EARTH WALL" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Civil Engineering from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a Bonafede work done by K.VENKATA RAO (16H71A0138), P.RAMAKRISHNA (16H71A0169), K.SAMBA SIVA RAO (16H71A0128), K. RAKESH (16H71A0124), G. SRIKANT (17H75A0123)

under my guidance during the academic year 2019-20 and it has been suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

N.S.M. RAVI KUMAR, MTech (PhD) Assistant Professor

Mr. N. V. SUBBA RAO, M.E Associate Professor

**Project Guide** 

Head of the Department

Dr. Y. Sudheer Babu PhD (IITM) Principal

EXTERNALEXAMINER

KAKINADA



#### **ESTIMATION AND COSTING OF G+5 RESIDENTIAL BUILDING**

A project report submitted to the Jawaharlal Nehru Technological University Kakinada In partial fulfilment for the award of the degree of

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

By

 G.TANUJA
 (16H71A0176)

 P.ANUDHEESH
 (16H71A0144)

 N.SURENDRA
 (17H75A0127)

 A.SATYA KIRAN
 (17H75A0121)

 CH.SANDEEP
 (17H75A0120)

Under the esteemed guidance of

MR. N.V.SUBBARAO,

M.E (Ph.D),

Associate Professor

HOD Department of Civil Engineering



Devinant Venkala Raman & Dr. Hims Sekhar MIC College of Technology



#### CERTIFICATE

This is to certify that the project report entitled "Estimation and Costing of G+5 Residential Building" Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Ms G.TANUJA (16H71A0176) Mr P.ANUDHEESH (16H71A0144) Mr N.SURENDRA (17H75A0127) Mr A.SATYA KIRAN (17H75A0121) Mr CH.SANDEEP (17H75A0120) under my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr. N.V.Subbarao M.E (Ph.D), Associate Professor Project Guide Mr. N.V.Subbarao M.E (Ph.D), Associate Professor Head of the Department

Dr.Y.Sudheer Babu, Ph.D,IITM Principal



#### STABILIZATION OF EXPANSIVE SOIL USING GROUND GRANULATED BLAST FURNACE SLAG AND POLYPROPYLENE FIBER

A project report submitted to JNTUK

In partial fulfillment for the award of the degree of

#### BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING

Submitted by

T.NAGA VENKATA KRISHNA	(17H75A0109
B.SUBBA REDDY	(17H75A0126
H.SAI KUMAR	(16H71A0127
J.VIJAY KUMAR	(16H71A0180
V.JAGADISH SAI MADHU NAIDU	(17H75A0118

Under the esteemed guidance of

Mr. S.V.Tejas Kumar Raju Assistant Professor

#### DEPARTMENT OF CIVIL ENGINEERING





# CERTIFICATE

This is certify that the major project titled "STABILIZATION OF EXPANSIVE SOIL USING GROUND GRANULATED BLAST FURNACE SLAG AND POLYPROPYLENE FIBER" is a bonafide record of work done by T.NAGA VENKATA KRISHNA (17H75A0109), B.SUBBA REDDY(17H75A0126), H.SAI KUMAR(16H71A0127), J.VIJAY KUMAR (16H71A0180), V.JAGADISH SAI MADHU NAIDU (17H75A0118) under my guidance and supervision and is submitted in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING, D.V.R & Dr. H.S MIC College of Technology,(AUTONOMOUS, affiliated to JNTUK) during the academic year 2019-2020.



Edic-safe WPS Office

# Mr. S.V.Tejas Kumar Raju, M.Tech Assistant professor

**Project Guide** 

Mr. N.V. Subba Rao, M.E (Ph.D.)

Associate Professor

Head of the Department

Dr. Y. Sudheer Babu, Ph.D. IITM Professor & Principal External examiner

W Educate WPS Office

# JAWAHARLAL NEHRU TECHNOLOGICAL **UNIVERSITY KAKINADA**



# WATER QUALITY ANALYSISAT SCHOOLS AND PUBLIC PLACES IN AMARAVATHI REGION

A Project report submitted to the

#### Jawaharlal Nehru Technological University Kakinada

In partial fulfilment for the award of the degree of

#### **BACHELOR OF TECHNOLOGY**

in

# **CIVIL ENGINEERING**

# By

O. LOKESH KUMAR (16H71A0158) **D.MEGHANA** K.HARANADHA RAO (16H71A0111) P.MAHESH BABU (16H71A0159)

(16H71A0160)

P. SAI KOTI REDDY (17H75A0116)

Under the esteemed guidance of

Mr. N.V. SUBBA RAO M.E (Ph.D.)

Associate professor

**Department of Civil Engineering** 





#### CERTIFICATE

This is to certify that the project report entitled "WATER QUALITY ANALYSISAT SCHOOLS AND PUBLIC PLACES IN AMARAVATHI **REGION" BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING** from JAWAHARLAL NEHRU TEHNOLOGICAL UNIVERSITY, KAKINADA, is a bonafide work done byO. LOKESH KUMAR (16H71A0158),K. HARANADHA RAO (16H75A0111), P. MAHESH BABU (16H71A0159), D. MEGHANA (16H71A0160) and P. SAI KOTI REDDY (17H75A0116). Under my guidance during the academic year 2019-2020 and it has been for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr. N. V. SUBBA RAO M.E (Ph.D.)	Mr. N. V. SUBBA RAO M.E (Ph.D.)
Associate Professor& Project Guide	Head of the Department

Prof. Y. Sudheer Babu Ph.D., (IITM)

**External Examiner** 

Principal



# COMPARITIVE STUDY OF RCC FRAMED STRUCTURE IN

#### DIFFERENT SEISMIC ZONES BY USING E-TABS

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

In partial fulfilment for the award of the degree of

#### **BACHELOR OF TECHNOLOGY**

In

#### **CIVIL ENGINEERING**

By

M.SRAVYA SREE B.BHARGAV REDDY (16H71A0132) J.YASASWINI (16H71A0148) A.JAWAHAR (16H71A0141)

(16H71A0153)

P.SAI KANTH ANUDEEP (17H75A0115) Under the Esteemed Guidance of

Onder the Esteemed Outdanee of

Mr. NANDIPATI.S.M.RAVI KUMAR, M.Tech

#### Assistant professor

#### **Department of Civil Engineering**



2019-2020





#### **CERTIFICATE**

This is to certify that the project report entitled "COMPARITIVE STUDY OF RCC FRAMED STRUCTURE IN DIFFERENT SEISMIC ZONES BY USING E-TABS" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Civil Engineering from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a Bonafide work done by M.SRAVYA SREE (16H71A0132), J.YASASWINI (16H71A0141), B.BHARGAV REDDY (16H71A0148),A.JAWAHAR (16H71A0153),P.SAI KANTH ANUDEEP (17H75A0115) under my guidance during the academic year 2019-20 and it has been suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.



Mr .N. S. M. RAVI KUMAR, M.Tech Assistant Professor Project Guide Mr. N. V. SUBBA RAO, M.E, PhD Associate Professor Head of the Department

Dr. Y. Sudheer Babu, PhD,IITM

Principal

EXTERNALEXAMINER



# EXPERIMENTAL INVESTIGATION ON PARTIAL REPLACEMENT OF CEMENT WITH SILICA FUME

A project report submitted to the Jawaharlal Nehru Technological University Kakinada In partial fulfilment for the award of the degree of

> BACHELOR OF TECHNOLOGY In CIVIL ENGINEERING

By	
K.SAI KUMAR	(16H71A0172)
L.SIVA PRASAD	(17H75A0122)
M.THIMOTHI	(15H71A0141)
T. VIJAY	(16H71A0178)
P.NISHANTH PRAHARSHA	(17H75A0110)
M.THIMOTHI T. VIJAY P.NISHANTH PRAHARSHA	(15H71A0141) (16H71A0178) (17H75A0110)

Under the Esteemed Guidance of Mr. S.V. TEJAS KUMAR RAJU, M.Tech Assistant professor Department of Civil Engineering







#### **CERTIFICATE**

This is to certify thatthe project report entitled "EXPERIMENTAL INVESTIGATION ON PARTIAL REPLACEMENT OF CEMENT WITH SILICA FUME" BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a bonafied work done by Mr. K.SAI KUMAR (16H71A0172), Mr. L.SIVA PRASAD (17H75A0122), M.THIMOTHI (15H71A0141), Mr. T. VIJAY (16H71A0178), Mr. P.NISHANTH PRAHARSH (17H75A0110) under my guidance during the academic year 2019-20 and it has been suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr. S.V.TEJAS KUMAR , M.Tech Assistant professor Project Guide Mr. N.V.SUBBA RAO, (Ph.D) Associate professor Head of the Department

Ph.D, IITM External Examine

Dr. Y.SUDHEER BABU, Principal

#### KAKINADA



# EXPERIMENTAL STUDIES ON SOIL STABILIZATION BY USING JOHNSON GRASS ROOTS AS REINFORCEMENT

A project report submitted to the

Jawaharlal Nehru Technological University, Kakinada

in partial fulfillment for the award of the degree of

**BACHELOR OF TECHNOLOGY** 

#### IN

**CIVIL ENGINEERING** 

#### By

R.RAVINDRA BABU (16H71A0171) M.AKHILA (16H71A0142) K.SUSHMINA (16H71A0175) R. CHANDRA SAI (16H71A0149)

Under the esteemed guidance of

Ms. B. DURGA PRIYANKA, M.Tech.

**Assistant Professor** 

#### DEPARTMENT OF CIVIL ENGINEERING



# Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology AUTONOMOUS

Kanchikacherla, Krishna Dist., AP-521180 Accredited With NAAC'A' Grade NBA Accredited With B.Tech (CSE, ECE& ME) An ISO 9001:2015 Certified Institute 2019 - 2020



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology AUTONOMOUS



Kanchikacherla, Krishna Dist., AP-521180 Accredited With NAAC'A' Grade NBA Accredited With B.Tech (CSE, ECE& ME) An ISO 9001:2015 Certified Institute

#### **CERTIFICATE**

This is to certify that the project report entitled "EXPERIMENTAL STUDIES ON SOIL STABILIZATION BY USING JOHNSON GRASS ROOTS AS REINFORCEMENT" Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada is a bonafide work done by Ravindra Babu. R (16H71A0171), Akhila. M(16H71A0142), Sushmina. K (16H71A0175), Chandra sai.R (16H71A0149) under my guidance during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

NOUSTRY

Ms. B .D. Priyanka, M.Tech Assistant Professor Project Guide Mr. N.V. Subba Rao, M.Tech., Ph.D. Professor Head of the Department

Dr. Y. Sudheer Babu, Ph.D. IITM Professor & Principal



#### **DESIGN OF VEHICLE UNDERPASS BRIDGE FOR 60 YEARS OF**

#### **TRAFFIC FLOW**

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada in partial fulfillment of the requirements for the award of the degree of

> BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING By

N.BALA KRISHNA (17H75A0103)

S.VENKATA THIRUPATHI (16H71A0139)

N. RAJESH (16H71A0123)

K.MANIKANTA (17H75A0107)

B.MANOJ (17H75A0108)

Under the Esteemed Guidance of Mr. AJAY KUMAR VERMA, M.Tech

Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING



Devineni Venkata Ramana & Dr. Hima Sekhar

# **MIC College of Technology**

Kanchikacherla, Krishna Dist., PIN 521180 A.P. India. (AN ISO 9001 -2008 CERTIFIED INSTITUTION)





CERTIFIED INSTITUTION)

#### **CERTIFICATE**

This is to certify that the project report entitled "DESIGN OF VEHICLE UNDERPASS BRIDGE FOR 60 YEARS OF TRAFFIC FLOW" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Civil Engineering from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a Bonafide work done by N.BALA KRISHNA (17H75A0103), B.MANOJ (17H75A0108),S.VENKATATHIRUPATHI(16H71A0123),K.MANIKANTA(17H75A0107), N. RAJESH (16H71A0123) under my guidance during the academic year 2019-20 and it has been suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Ajay Kumar Verma, M.Tech Asst. Professor Project Guide N.Subba Rao Asst.Professor Head of the Department

N. Sudheer Babu

Principal

**External Examiner** 

ii

#### JAWAHARLAL NEHRU TECHNOLOGICAL

#### UNIVERSITY KAKINADA



# **DESIGN AND ANALYSIS OF A G+5 RESIDENTIAL**

#### BUILDING

A Project report submitted to the

#### Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

#### **BACHELOR OF TECHNOLOGY**

in

#### **CIVIL ENGINEERING**

By

 V. NIKHIL (16H71A0165)
 S. SASI KUMAR (16H75A0120)

 N. CHARAN SAI (17H75A0104)
 B. PRASANTH (16H71A0168)

#### K. LIVINGSTON (17H75A0106)

Under the esteemed guidance of

#### Ms.J. Lavanya, MTech

#### Assistant professor

#### **Department of Civil Engineering**





#### **CERTIFICATE**

This is to certify that the project report entitled "DESIGN AND ANALYSIS OF A G+5 RESIDENTAL BUILDING" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Civil Engineering from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a Bonafide work done by V.NIKHIL(16H71A0165), S.SASIKUMAR(16H75A0120), N.CHARANSAI(17H75 A0104), B.PRASANTH(16H71A0168), K.LIVINGSTON(17H75A0106) under my guidance during the academic year 2019-20 and it has been suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Ms.J.LAVANYA MTech	Mr. N.V.SUBBARAO ME,(PhD)
Assistant professor	Associate professor
Project Guide	Head of the Department
Dr.Y.SudheerBabu, PhD (IITM)	<b>External Examiner</b>
principal	

#### KAKINADA



DESIGN OF FLEXIBLE PAVEMENTS BY USING IRC METHOD

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

#### **BACHELOR OF TECHNOLOGY**

#### In

#### **CIVIL ENEINEERING**

#### By

SIVA NAGA SIRISHA.K (16H71A0130)

NAGA ANJI REDDY.A (16H71A0163 PAVAN KUMAR.CH (16H71A0167)

SAI KUMAR.R (17H75A0117) ANUSHA.Y (17H75A0102)

Under the Esteemed Guidance of

Mr. T.V. SIVA NAGA BABU, MTech.

Assistant professor

#### **Department of Civil Engineering**



2019-2020



# **CERTIFICATE**

This is to certify that the project report entitled "DESIGN OF FLEXIBLEPAVEMENTS BY USING IRC METHOD" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Civil Engineering from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a Bonafied work done by SIVA NAGA SIRISHA.K (16H71A0130), NAGA ANJI REDDY.A (16H71A0163),SAI KUMAR.R (17H75A0117), PAVAN KUMAR. CH (16H71A0167), ANUSHA.Y (17H75A0102), under my guidance during the academic year 2019-20 and it has been suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

# EDUCATION

Mr. T.V. SIVA NAGA BABU, MTech Assistant Professor Mr. N. V. SUBBA RAO, M.E (PhD) Associate Professor

2121310

Project Guide

Head of the Department

Dr. Y. Sudheer Babu, PhD (IITM)

**Professor** & Principal

EXTERNALEXAMINER



#### DESIGN OF SEWAGE TREATMENT PLANT FOR

# MIC COLLEGE OF TECHNOLOGY

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

In partial fulfilment for the award of the degree of

#### **BACHELOR OF TECHNOLOGY**

#### In

#### **CIVIL ENEINEERING**

#### By

N. MADHULATHA CH MANOHAR P. TULASI 

 (16H71A0115)
 CH. L V GANESH NAIDU (16H71A0155)

 (16H71A0118)
 K. DILIP

 (17H75A0129)
 (17H75A0129)

1-Augustin

Under the Esteemed Guidance of

#### Mr. AJAY KUMAR VERMA, M. Tech

#### Assistant professor

#### **Department of Civil Engineering**

Devineni Venkata Ramana & Dr Hima Sekhar



IIC College of Technolog According by NRA ELECHERCORECE & NAAC, with 'A Guide Employed are by College and A D





#### **CERTIFICATE**

This is to certify that the project report entitled "DESIGN OF SEWAGE TREATMENT PLANT FOR MIC COLLEGE OF TECHNOLOGY " being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Civil Engineering from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a Bona fide work done by N.MADHULATHA (16H71A01115), CH. L V GANESH NAIDU (16H71A0155), CH.MANOHAR (16H71A01118), K.DILIP (17H75A0105), P.TULASI (17H75A0129)under my guidance during the academic year 2019-20 and it has been suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

#### MR. AJAY KUMAR VERMA, M. Tech

Mr. N. V. SUBBA RAO, M.E (PhD)

Assistant Professor

Associate Professor

Project Guide

Head of the Department

Dr. Y. Sudheer Babu, PhD (IITM)

Principal

EXTERNALEXAMINER



Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to PNTUK, Kakinala) Karchikacherla - 521180, Kristna Dist, A.P. India Phone: 08678 - 223535, 223623, Fax: 08678 - 273569 e-mail: dvdtumicijimtetech.ar.in, Website: www.mictech.ar.in



# **PROJECT GUIDE ALLOTMENT**

**DEPARTMENT** : EEE

ACADEMIC YEAR : 2019-20

EEE -F 033 DATE : 28/10/2019 SEMESTERS: IV/II

Batch No.	Regd. No	Name of the Student	Internal Guide
	17H75A0246	Yaswanth A	
	17H75A0208	Kavya K	
1	17H75A0243	Venkata Sai Vamsinadh D	Dr. S. Sateesh
	17H75A0214	Naga Raju U	
	15H71A0273	Sri Datta K	
	16H71A0241	Sandhya Rani M	
	16H71A0228	Priyanka M	
2	16H71A0207	Ganesh Babu R	Dr. Deepak Kumar
	16H71A0220	Manoj Kumar K	
	17H75A0229	Sanjay Babu V	
	16H71A0230	Raheem SK	
	16H71A0244	Sree Kavya K	
3	16H71A0233	Ravindra.M	Mr. A.V. Ravi Kumar
	17H75A0233	Siva Sruthi Ch	
	16H71A0219	Mahesh Varma L	
	16H71A0222	Navya D	
4	16H71A0208	Gayathri B	Mr. P. Pradeep
4	17H75A0206	Joji Babu M	
	16H71A0227	Pravallika S	
	17H75A0221	Pushpalatha Ch	
5	17H75A0223	Ravi Teja K	Mr. M. Nagagwara Pag
5	17H75A0225	Sai Krishna G	wii. wi. wageswara Kao
F	17H75A0247	Rajasekhar K	



# Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to PNTUK, Kakinada)

proved by AICTE & Permanently Affiliated to JNTUK, Kakinal Karchikacherla - 521180, Keishna Dist, A.P. Iudia. Phone: 08678 - 273535, 273623, Pax: 08678 - 273569 e-mail. dv:humegimichech.ac.in, Websitz www.michech.ac.in



	17H75A0226	Sai Manikanta P	
6	17H75A0216	Naveen Kumar V	Mr. N. Rajesh Babu
0	17H75A0234	Som Babu A	
	17H75A0224	Sai Gowtham Reddy K	
	16H71A0245	Sree Lakshmi Pujitha P	
7	16H71A0225	Pradeep B	Ma M Sunil Kumon
1	17H75A0242	Venkata Naga Niharika Ch	Mr. M. Sunil Kumar
	16H71A0238	Sai Vara Manindra G	
	16H71A0247	Tharuni Anusha Reddy Ch	
0	16H71A0215	Kalyan S	Ma K N. Swomy
0	16H71A0226	Prathyusha S	WIF. K.N. Swally
	17H75A0236	Sukumar N	
	17H75A0227	Said Basha Sk	
0	17H75A0213	Naga Raju G	Ma M. Domo MohonoDoo
9	16H71A0229	Purna Chandra Reddy d	MIT. MI. Kama Monanakao
	17H75A0215	Narendrababu M	
	17H75A0218	Praveen Kumar Nayak B	
10	16H71A0249	Venkata Aditya Sai L	Ma N. Vonu Dohu
10	16H71A0211	Harshavardhan K	WIT. IN. VEIIU BABU
	16H71A0223	Navya Sri P	
	17H75A0205	Harika M	
11	16H71A0212	Haveela J	Ms. N. Renuka Devi
11	15H71A0257	MOUNIKA P	
	17H75A0211	Manoj Kumar K	
	17H75A0210	Manju Syamala D	
10	16H71A0210	Harsha Vardhan Katakam	Mrs. D. Durze Dhever:
12	17H75A0238	Teja R	
	17H75A0228	Sandeep Kumar K	1
13	17H75A0201	Akshay Kumar N	Mr. S. Ravikanth



# Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to PNTUK, Kakinada)

proved by AICTE & Permanently Affiliated to JNTUK, Kakinali Karehikacherla - 521180, Keishna Dist, A.P. Isdia. Phone: 06678 - 273535, 273623, Pax: 08678 - 273569 e-mail. dv:tsonic-ginstetech.ac.in, Websitz: www.miceech.ac.in



	16H75A0233	Pavankalyan S	
	17H75A0212	Naga Durga Bhavani Rani Y	
	16H71A0209	Gowtham B	
	17H75A0237	Syam Ch	
14	16H71A0243	Sravya N	
14	16H71A0234	Sai Deepthi D	Mr. M. Tharun
	17H75A0204	Gopi Nayak P	
	16H71A0202	Anjireddy K	
15	17H75A0245	Vijaya Kesava D	Ma Aired Warnen Cinch
15	16H71A0240	Saivenkataravindrareddy A	Mr. Ajeet Kumar Singn
	17H75A0240	Venkata Sai Krishna K	
	16H71A0251	Venkata Siva Naga Nitesh P	
16	17H75A0220	Prince B	
16	17H75A0230	Shanmuk V	Mr. P. Naga Gangadhar
	17H75A0203	Chinna Gopi G	
	16H71A0214	JyothiSwaroopa R	
17	16H71A0201	Akhila P	Mr. T. Lessensis
17	16H71A0221	Manoj Narasimha J	Mir. 1. Jayaraju
	17H75A0241	Venkata Gopala Krishna N	
	17H75A0202	Chandanasri T	
10	17H75A0207	Kameswara Rao R	Mr. A. Vomei Krichno
10	16H71A0213	Hemanth Kumar Ch	IVII. A. Vainsi Krisiina
	16H71A0252	Venkatagopi M	
	16H71A0248	Ushaswi U	
10	16H71A0232	Ramanuja M	Dr. S. Sataash
19	16H71A0224	Pavani Y	DI. S. Saleesii
	16H71A0246	Suresh K	
20	17H75A0244	Vijay Lavakumar V	Dr. Deensk Kumer
20	16H71A0231	Rajasekhar O	DI. Deepak Kullar



# Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to PNTUK, Kakinada)

proved by AICTE & Permanently Affiliated to JNTUK, Kakinak Karchikacherla - 521180, Keishna Dist, A.P. Isdia. Phone: 06678 - 273535, 273623, Pax: 08678 - 273569 e-mail. dvdtumicijimictech.ac.in, Websitz www.mictech.ac.in



	16H71A0218	Madhu Mitha D	
	17H75A0222	Rathan Kumar D	
	17H75A0235	Srikanth R	
21	16H71A0216	Leela Sai B	Mr. A.V. Ravi Kumar
21	17H75A0209	Mahesh R	
	16H71A0217	Likith A	
	16H71A0250	Venkata Durga Uma Srikanth G	
22	17H75A0231	Sindhu Sailusha K	Mr. P. Pradeep
	16H71A0237	Sai Sowmya B	
	16H71A0205	Bhavana Sahithi S	
	17H75A0232	Siva Koteswara Rao D	
22	16H71A0204	Bharath Kumar P	Mr. M. Nagagwara Dag
23	17H75A0239	Vamsi S	wii. wi. wageswara Kao
	16H71A0203	Ashok Reddy S	

# KAKINADA



# Solar Power System Designing for our College

A project report submitted to the

# Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY

by

K.Anji Reddy D.VijayaKesava A.S.V.Ravindra Reddy K.V.Sai Krishna (16H71A0202) (17H71A0245) (16H71A0240) (17H71A0240)

Under the esteemed guidance of Mr.Ajeeth Kumar Singh, M.Tech AssistantProfessor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AJCTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569

e-mail: dythsmic@mictech.ac.in, website: www.mictech.ac.in

NBA-Accredited allos consecutions

2019-20





Approved by AICTE, Permanently Affiliated to: JNTUK, Kakinada Kanchikacherla - 521180, Kristina Oist, A.P. India.

# CERTIFICATE

This is to certify that the seminar report entitled "Solar Power System Designing for our College" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by K.Anji Roddy, A.S.V.Ravindra Reddy, D.VijayaKesava, K.V.Sai Krishnaunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

sh Kumar Singh, M.Tech Mr.

AssistantProfessor Project Guide Dr.Deepakkamar, M.Tech, Ph.D

Professor Head of the Department

386.0

Dr.Y.SudheerBabu, Ph.D Principal

Examiner

# KAKINADA



# Simulink of Hybrid Low Power Wind Generation and PV Grid Connected System Using MATLAB

A project report submitted to the

# Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY

by:

D.SivaKoteswaraRao
P.Bharat Kumar
S.Vamsi
S.Ashok Reddy

(17H75A0232)
(16H71A0204)
(17H75A0239)
(16H71A0203)

Under the esteemed guidance of

Mr.P.Pradeep, M.Tech.(Ph.D) AssociateProfessor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist., AP, India



Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhamicii?mictech.ac.in, website: www.mictech.ac.in

2019-20





An Autonomous Institution Approved by AICTE, Permanently Affiliated to: INTUK, Kakinada Kanchikasherla - 321180, Krishna Diet, A.P. India.

# CERTIFICATE

This is to certify that the seminar report entitled "Simulink of Hybrid Low Power Wind Generation and PV Grid Connected System Using MATLAB" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by D. Siva KoteswaraRao, P. Bharat Kumar,S. Vamsi,S. Ashok Reddyunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr.P.Pradeep, M.Tech.(Ph.D)

AssociateProfessor Project Guide

Dr.DeepakKumar, M.Tech, Ph.D

Professor Head of the Department

CBR. C

Dr.Y.SudheerBabu, Ph.D Principal

Examiner:

# KAKINADA



# Smart Security Solution for Women Based on IOT

A project report submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfilment for the award of the degree of BACHELOR OF TECHNOLOGY

by

G.V.D.U.Srikanth K.S.Sailusha B.S.Sowmya S.B.Sahithi

(16H71A0250) (17H75A0231) (16H71A0237) (16H71A0205)

Under the esteemed guidance of Mr.P.Pradeep, M.Tech,(Ph.D) AssociateProfessor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)

Kanchikacherla – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhamic@mictech.ac.in, website: www.mictech.ac.in



2019-20





Agroved by ARTE, Permanently Affiliated to: PVTUK, Kakinada Kanehikacherla - 521180, Keishna Dist, A.P. India

# CERTIFICATE

This is to certify that the seminar report entitled "Smart Security Solution for Women Based on IOT" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by G.V.D.U.Srikanth, K.S.Sailusha, B.S.Sowmyn, S.B.Sahithiunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr.P.Pradeep, M.Tech,(Ph.D)

AssociateProfessor Project Guide Dr.DeepakKumar, M.Tech, Ph.D

Professor Head of the Department

40

Dr.Y.SudheerBabu, Ph.D Principal

Examiner

# KAKINADA



# ITC STATCOM in Grid Power Network for Maintaining Flat Voltage Profile

A project report submitted to the

# Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY

by

M.Sandhya Rani
M.Priyanka
R.GaneshBabu
V.SanjayBabu
K.Manoi Kumar

(16H71A0241) (16H71A0228) (16H71A0218) (17H75A0222) (17H75A0220)

Under the esteemed guidance of

Mr.N.RajeshBabu, M.Toch. MBA. (Ph.D) Assistant Professor Department of EEE



Devineni Venkata Ramana & Dr. Hinta Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)

Kanchikacherfa - 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhsmies@mictech.ac.in, website: www.mictech.ac.in



2019-20





Approved by AICTE, Permanently Affiliated to: JNTUK, Kakinada Kanchikacherla - 521180, Krishna Dist, A.P. India.

# CERTIFICATE

#### 221

This is to certify that the seminar report entitled "ITC STATCOM in Grid Power Network for Maintaining Flat Voltage Profile" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by M.Sandhya Rani, M.Priyanka,R.GaneshBabu,K.Manoj Kumar, V.SanjayBabuunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

MEN.RajeshBabu, M.Tevk MBA (Ph.D)-AssistantProfessor Project Guide

Dr.DeepakKumser, M.Tech, Ph.D.

Professor Head of the Department

Dr.Y.SudheerBabu, Ph.D Principal

Examiner

# KAKINADA



# **Dual Axis Solar Tracking System**

A project report submitted to the

# Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY

by:

R.Srikanth
B.LeelaSai
R.Mabesh
A.Likith

- (	17H75A0235)
0	6H71A0216)
0	7H71A0209)
()	6H71A0217)

Under the esteemed guidance of

Mr.A.V.Ravi Kumar, M.Tech Assistant Professor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherta – 521180, Krishna Dist, AP, India

Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhsmic@mictech.ac.in, website: www.mictech.ac.in



2019-20





An Autonomous Institution Approved by AICTE, Permanently Affiliated to: DVTUK, Kakinada Kanchikacherte - 521180, Kristen Dist, A.P. India.

# CERTIFICATE

This is to certify that the seminar report entitled "Dual Axis Solar Tracking System" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by R.Srikanth, B.LeelaSai, R.Mahesh, A.Likithunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

M. Tech Kumar.

AssistantProfessor Project Guide

M.Tech, Ph.D Dr.DeepakKum

Professor Head of the Department

SKL C C

Dr.Y.SudheerBabu, Ph.D Principal

Examiner

# KAKINADA



# Control of Buck Boost Converter Using MPPT for Solar Battery Charger

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY

by

U.Ushnswi
M.Ramanuja
Y.Pavani
K.Suresh

(16H71A0248) (16H71A0232) (16H71A0224) (16H71A0246)

Under the esteemed guidance of

Dr.S.Sateesh, M.E.Ph.D Professor Department of EEE



Devinent Venkata Ramana & Dr. Hima Sekhar MIC College of Technology

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherta – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569 e-mail: dwftsmics@mictech.ac.in, website: www.mictech.ac.in



2019-20



An Autonomous Institution Approved by AICUS, Permanently Affiliated to: INTUK, Kakinada Kanchikacherla - 521110, Kristona Dint, A.P. India.

# CERTIFICATE

This is to certify that the seminar report entitled "Control of Buck Boost Converter Using MPPT for Solar Battery Charger" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonalide work done by U.Ushaswi, M.Ramanuja, Y.Pavani, K.Sureshunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Dr.S.Sateesh, M.E.Ph.D AssistantProfessor Project Guide Dr.Deepak Kumar, M.Tech, Ph.D Professor

Head of the Department

358.0

Dr.Y.SudheerBabu, Ph.D Principal

Examiner
### KAKINADA



### Distributed Voltage and Frequency Synchronisation Control Scheme for Islanded Inverter based Microgrid

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY

by:

T.Chandana Sri	(17H75A0202)
R.KameswaraRao	(17H75A0207)
Ch.Hemanth Kumar	(16H71A0213)
M.VenkutaGopi	(I6H71A0252)

Under the esteemed guidance of

Mr.A.Vamsi Krishna, M.Tech Assistant Professor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar College of Technology MI (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist., AP, India



Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhsmiei@mietech.ac.in, website: www.mietech.ac.in





Approved by AICTE, Permanently Affiliated to: JNTUK, Kakinada Kanebikacherfa - 521180, Krishna Dist, A.P. India.

### CERTIFICATE

This is to certify that the seminar report entitled "Distributed Voltage and Frequency Synchronisation Control Scheme for Islanded Inverter based Microgrid" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by T.Chandana Sri, R.KameswaraRao,Ch.Hemanth Kamar,M.VenkataGopiunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.



Nome

**Project Guide** 

Mr.A.Vamsi Krishna, M.Tech. AssistantProfessor Dr.DeepakKomar, M.Tech, Ph.D

Professor Head of the Department

Call.

Dr.Y.SudheerBabu, Ph.D Principal

### KAKINADA



#### Power Theft Detection Using Ardunio

A project report submitted to the Jawaharial Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY

by

Akshay Kumar N Pavankalyan S Naga DurgaBhavani Rani Y Gowtham B (17H75A9201) (16H75A0233) (17H75A0212) (16H71A0209)

Under the esteemed guidance of Mr.N.RajeshBabu, M.Tech, MBA, (Ph.D) Assistant Professor Department of EEE



Devinenti Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherta – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrbsmic@mictech.ac.in, website: www.mictech.ac.in







An Autonomous Institution Approved by AICTE, Permanently Affiliated to: INTUK, Kakinada Kanchikacherta - 521180, Kristma Dist, A.P. India.

#### CERTIFICATE

This is to certify that the seminar report entitled "Power Theft Detection Using Ardunio" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Akshay Kumar N, Pavankatyan S,R.GaneshBabu,K.Manoj Kumar, V.SanjayBabuunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

1 Alabert Mr.N.RajeshBabu, M.Tech. MBA. (Ph.D)-

AssistantProfessor Project Guide

Dr.DeepakKumar, M.Tech. Ph.D.

Professor Head of the Department

SR.C.

Dr.Y.SudheerBabu, Ph.D Principal

### KAKINADA



#### Solar Power System Designing for our College

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY

by

K.Anji Reddy
D.VijayaKesava
A.S.V.Ravindra Reddy
K.V.Sai Krishna

(16H71A0202)
(17H71A0245
(16H71A0240)
(17H71A0240)

Under the esteemed guidance of Mr.Ajeeth Kumar Singh, M.Tech AssistantProfessor Department of EEE



Devineni Venkata Ramara & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permasently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist., AP, India



Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhsmic@mictech.ac.in, website: www.mictech.ac.in





An Autonomous Institution Approved by AICTF, Permanently Affiliated to: JNTUK, Kakinada Kanchikacherla - S21180, Kristina Dist, A.P. India

### CERTIFICATE

This is to certify that the seminar report entitled "Solar Power System Designing for our College" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehrn Technological University, Kakinada, is a bonafide work done by K.Anji Reddy, A.S.V.Ravindra Reddy, D.VijayaKesava, K.V.Sai Krishnaunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

jeeth Kumar Singh, M.Tech

Dr.DeepakKanar, M.Tech, Ph.D

AssistantProfessor Project Guide Professor Head of the Department

Dr.Y.SudheerBabu, Ph.D Principal

### KAKINADA



### Arduino Based Underground Cable Fault Detection

A project report submitted to the

#### Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY

by:

V.VijayLavakumar O.Rajasekhar D.MadhuMitha D.Rathan Kumar (17H75A0244) (16H71A0231) (16H71A0218) (17H75A0222)

Under the esteemed guidance of

Mr.M.Tharun, M.Tech Assistant Professor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherta – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569

e-mail: dyrhanica@mictech.ac.in, website: www.mictech.ac.in

NBA-Accredited Block (CELECTION) NAACA With Gradie Access of the Case Control Ward Jame





An Autonomous Institution Approved by AICTE, Permanently Affilianed to: INTUK, Kakinada Kanebikacherta - 521180, Keisten Dist, A.P. India.

#### CERTIFICATE

### ESTER CHER.

This is to certify that the seminar report entitled "Arduino Based Underground Cable Fault Detection" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by V.VijayLavakumar, O.Rajasekhar, D.MadhuMitha, D.Rathan Kumarunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr.K.N.Swamy, M.Tech. AssistantProfessor Project Guide Dr.DeepakKungr, M.Tech, Ph.D Professor

Head of the Department

CHL.O

Dr.Y.SudheerBabu, Ph.D Principal

### KAKINADA



#### Power Theft Detection Using Ardunio

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

#### BACHELOR OF TECHNOLOGY

by:

Akshay Kumar N Pavankalyan S Naga DurgaBhavani Rani Y Gowtham B (17H75A0201) (16H75A0233) (17H75A0212) (16H71A0209)

Under the esteemed guidance of Mr.N.RajeshBabu, M.Tech. MBA, (Ph.D) Assistant Professor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakinada)

Kanchikacherla – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhsmicsizmictech.ac.in, website: www.mictech.ac.in





Approved by AICTE, Permanently Affiliated to: INTUK, Kakinada Katechikacherla - 521180, Krishna Dist, A.P. India.

#### CERTIFICATE

Salar Carlos

This is to certify that the seminar report entitled "Power Theft Detection Using Ardunio" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Akshay Kumar N, Pavankalyan S,R.GaneshBabu,K.Manoj Kumar, V.SanjayBabuunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

N. Rason

Mr.N.RajeshBabu, M.Tech, MRA, (Ph.D)-AssistantProfessor Project Guide

Dr.DeepäkKumar, M.Tech, Ph.D Professor Head of the Department

C 558

Dr.Y.SudheerBabu, Ph.D Principal

#### KAKINADA



# Designing of Single Phase Z-Source Inverter for Photovoltaic System

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY

by

Ch.Syam N.Sravya D.SaiDeepthi P.GopiNayak

(17H75A0237) (16H71A0243) (16H71A0234) (17H75A0204)

Under the esteemed guidance of

Mr.M. Tharun, M. Tech Assistant Professor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherta – 521180, Krishna Dist., AP, India

Phone: 08678-273535, Fax: 08678-273569

e-mail: dyrhunio@mictech.ac.in, website: www.mictech.ac.in





Approved by AICTE, Permanently Affiliated to: JNTUK, Kakinada Kanchikacherla - 521180, Krishna Dist, A.P. India.

#### CERTIFICATE

This is to certify that the seminar report entitled "Designing of Single Phase Z-Source Inverter for Photovoltaic System" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehrn Technological University, Kakinada, is a bonafide work done by Ch.Syam, N.Sravya, D.SaiDeepthi, P.GopiNayakunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr.M.Thurun, M.Tech.

AssistantProfessor Project Guide

Dr.DeepaRKumar, M.Tech, Ph.D.

Professor Head of the Department

Dr.Y.SudheerBabu, Ph.D Principal

#### KAKINADA



#### Smart Vehicle Access Control

A project report submitted to the

#### Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY

by

D.ManjuSyamala
K.HarshaVardhan
R.Teja
K.Sandeep Kumar

(17H75A0210) (16H71A0210) (17H75A0238) (17H75A0228)

Under the esteemed guidance of Mrs.P.DurgaBhavani, M.Tech Assistant Professor

Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)

Kanchikacherla – 521180, Krishna Dist., AP. India Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhsmic@mictech.ac.in, website: www.mictech.ac.in







An Autonomous Institution Approved by AICTE, Permanently Affiliated to: INTUK, Kakinada Kanchikacherta - 521180, Krishna Dist, A.P. Isdia.

#### CERTIFICATE

This is to certify that the seminar report entitled "Smart Vehicle Access Control" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by D.ManjuSyamala, K.HarshaVardhan, R.Teja, K.Sandeep Kumarunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mrs.P.DurgaBhavani, M.Tech. AssistantProfessor Project Guide Dr.DeepakKumar, M.Tech, Ph.D Professor

Head of the Department

SRE C C

Dr.Y.SudheerBabu, Ph.D Principal

#### KAKINADA



# Design of a Low-Cost Contact Less Tachometer with Added Wireless Feature

A project report submitted to the

# Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY

by

(17H75A0205)
(16H71A0212)
(15H71A0257)
(17H75A0211)

Under the esteemed guidance of

Ms.N.Renuka Devi, M.Tech Assistant Professor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar

MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhsmic/@mictech.ac.in, website: www.mictech.ac.in







Approved by AICTE, Permanently Affiliated to: INTUK, Kakinada Karchikacherta - 521180, Kristina Dist, A.P. India.

### CERTIFICATE

This is to certify that the seminar report entitled "Design of a Low-Cost Contact Less Tachometer with Added Wireless Feature" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by M.Harika, J.Haveela, P.Mounika, K.Manoj Kumarunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

MS.N.Renuka Devi, M.Tech. AssistantProfessor Project Guide Dr.DeepakKomas, M.Tech, Ph.D

Head of the Department

C ASR.

Dr.Y.SudheerBabu, Ph.D Principal

### KAKINADA



### **BLDC Motor Speed Control Using Fuzzy Logic**

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

#### BACHELOR OF TECHNOLOGY

by

B. Praveen Kumar Naik L.VenkataAdityaSai P.Navyasri K.Harshavardhan (17H75A0218) (16H71A0249) (16H71A0223) (16H71A0211)

Under the esteemed guidance of

Mr.N.VenuBau, M.Tech Assistant Professor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AJCTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherta – 521180, Krishna Dist., AP, India

Phone: 08678-273535, Fax: 08678-273569

e-mail: dvrhsmic@mietech.ac.in, website: www.mietech.ac.in

NBA-Accredited Alien (Cleitor Steel MD) NAACA Wells Grade As first West Steel Cortified Instance



An Autonomous Institution Approved by AICTH, Permanently Affiliated to: JWTUK, Kakinada Kanchikacherta - 521140, Kriehna Dist, A.P. India.

#### CERTIFICATE

R. D.C. This is to certify that the seminar report entitled "BLDC Motor Speed Control Using Fuzzy Logic" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University. Kakinada, is a bonafide work done R Kumar by: Praveen Naik, L. VenkataAdityaSai, P. Navyasri P. Navyasri, K. Harshavardhanunder guidance my during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

nuBan, M.Tech.

AssistantProfessor Project Guide

Tech. Ph.D. Dr.DeepakKys

Professor Head of the Department

Dr.Y.SudheerBabu, Ph.D Principal

### KAKINADA



### OPTIMAL REACTIVE POWER DISPATCH USING SELFISH HERDS OPTIMIZATION ALGORITHM

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

#### BACHELOR OF TECHNOLOGY

by:

Said Basha SK Naga Raju G Purna Chandra Reddy D NarendraBaba M (17H75A0227) (17H75A0213) (16H71A0229) (17H75A0215)

Under the esteemed guidance of

Mr.M.,RammohanaRao, M.Tech Assistant Professor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherta – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569

e-mail: dyrhumiejämietech.ac.in, website: www.mietech.ac.in





Approved by AICTE, Permanently Affiliated to: DVTUK, Kakinada Kanchikacheria - 521180, Kristma Diat, A.P. India.

#### CERTIFICATE

This is to certify that the seminar report entitled "OPTIMAL REACTIVE POWER DISPATCH USING SELFISH HERDS OPTIMIZATION ALGORITHM" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Said Basha SK, S.Kalyan, Naga Raja G,Purna Chandra Reddy D,NarendraBabu Munder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr.M.RammohanaRao, M.Tech.

AssistantProfessor Project Guide

Dr.Deepakkie mir. M. Tech, Ph.D.

Professor Head of the Department

C 38. C

Dr.Y.SudheerBabu, Ph.D Principal

### KAKINADA



### Relative Dynamic Performance Evaluation of Thermal Power Plants for Improving Load-Frequency Control of Electric Power System

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY

by

N. Akshay Kumar S.PavanKalyan Y.N.D.Bhavani Rani B.Gowtham (17H71A0245) (16H71A0225) (17H75A0242) (16H71A0238)

Under the esteemed guidance of

Mr.S.Ravikanth, M.Tech. Assistant Professor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrfrsmici@mictech.ac.in, website: www.mictech.ac.in







Approved by AJCTE, Permanently Affiliated to: INTUK, Kakinala Kanchikacherla - 521188, Krishna Dist, A.P. India.

### CERTIFICATE

15300

This is to certify that the seminar report entitled "Relative Dynamic Performance Evaluation of Thermal Power Plants for Improving Load-Frequency Control of Electric Power System" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nebru Technological University, Kakinada, is a bonafide work done by N. Akshay Kumar, S.PavanKalyan, Y.N.D.Bhavani Rani,B.Gowthamunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Ch

Mr.S.Ravikanth, M.Tech.

AssistantProfessor Project Guide

Dr.DeepakRumar, M.Tech, Ph.D

Professor Head of the Department

Dr.Y.SudheerBabu, Ph.D Principal

### KAKINADA



### SPEED CONTROL OF BRUSHLESS DC MOTOR

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY

by

P.Sree Lakshmi Pujitha B.Pradeep Ch.Venkata Naga Niharika G.SaiVaraManindra (17H71A0245) (16H71A0225) (17H75A0242) (16H71A0238)

Under the esteemed guidance of

Mr.M.Sunil Kumar, M.Tech., (Ph.D, Assistant Professor Department of EEE



Devineni Venkuta Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherta – 521180, Krishna Dist., AP, India

Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhsmic@mictech.ac.in, website: www.mictech.ac.in





An Autonomous Institution Approved by AICTE, Perminently Affiliated to: JNTUK, Kakinada Kanchikacherta - 521180, Krishna Dist, A.P. India.

### CERTIFICATE

This is to certify that the seminar report entitled "SPEED CONTROL OF BRUSHLESS DC MOTOR" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by: P.Sree Lakshmi Pujitha, B.Pradeep. Ch.Venkata Naga Niharika, G.SaiVaraManindraunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.



Mr.M.Sunil Kumar, M.Tech., (Ph.D)

AssistantProfessor **Project Guide** 

Dr.DeepakKumar, M.Tech, Ph.D

Professor Head of the Department

CAR C

Dr.Y.SudheerBabu, Ph.D Principal.

### KAKINADA



### Photo Voltaic Grid Integration using Opposed CurrentHalf Bridge Type Inverter for Reliable Power Supply

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY

by.

P.SaiManikanta			
K. Naveen Kumar			
K.SaiGowtham Reddy			
A. Sombabu			

(17H75A0226) (17H75A0216) (17H75A0224) (17H75A0234)

Under the esteemed guidance of

Mr.N.RajeshBabu, M.Tech.MBA (Ph.D) Assistant Professor Department of EEE



Devinent Venkata Ramana & Dr. Hima Sekhar MIC College of Technology

(Approved by AJCTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhsmic@mictech.ac.in, website: www.mictech.ac.in





Kanchiliacherta - 521180, Krishna Dist, A.P. India.

#### CERTIFICATE

0.031

This is to certify that the seminar report entitled "Photo Voltaic Grid Integration using Opposed Current Half Bridge Type Inverter for Reliable Power Supply" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by P.SaiManikanta, K. Naveen Kumar, K.SaiGowtham Reddy,A. Sombabuunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.



1. Rayan

MP.N.RajeshBabu, M.Tech.MBA (Ph.D) AssistantProfessor Project Guide

Dr.DeepakKapstr M.Tech, Ph.D Professor Head of the Department

Dr.Y.SudheerBabu, Ph.D Principal

### KAKINADA



### Optimal Tuning of PID Controller Using Butterfly Optimization Algorithm for Quadruped Robot

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY

by.

Ch.Pashpalatha K. Ravi Teja G.Sai Krishna K. Rajasekhar

(17H75A0221) (17H75A0223) (17H75A0225) (17H75A0247)

Under the esteemed guidance of

Mr.M.NageswaraRao, M.Tech (Ph.D) Assistant Professor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)

Coproved by ARCEP. & Perminently Attributed to JNTCK, Katonida Kanchikacherla – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhsmic/@mictech.ac.in, website: www.mictech.ac.in







Approved by ARTE, Permanently Affiliated to: INTUK, Kakinada Kanchikacherla - 521180, Keishna Dist, A.P. India.

#### CERTIFICATE

This is to certify that the seminar report entitled "Optimal Tuning of PID Controller Using Batterfly Optimization Algorithm for Quadruped Robot" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Ch.Pushpalatha, K. Ravi Teja, G.Sai Krishna,K. Rajasekharunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

or mine. Mr.M. NageswaraRao, M.Tech, (Ph.D) AssistantProfessor **Project Guide** 

Dr.DeepakKiimar, M.Tech, Ph.D Professor. Head of the Department

Dr.Y.SudheerBabu, Ph.D Principal

### KAKINADA



#### MULTILEVEL INVERTER USING ARDUINO

A project report submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of BACHELOR OF TECHNOLOGY\_

by:

D.Navya(16H71A0222) B.Gayathri(16H71A0208) M.JojiBabu(17H75A0206) S. Pravallika(16H71A0227)

Under the esteemed guidance of Mr.P.Pradeep, M.Tech (Ph.D) Associate Professor Department of EEE



Devinerii Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherta – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569



e-mail: dvrhsmie@mietech.ac.in, website: www.mietech.ac.in





An Autonomous Institution Approved by AICTE, Permanently Affiliated in: INTUK, Kakinada Kanchikacherta - 521110, Krishna Dist, A.P. India.

#### CERTIFICATE

COM SHALL

This is to certify that the seminar report entitled "MULTILEVEL INVERTER USING ARDUINO" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawahartal Nehru Technological University. Kakinada, is a bonafide work done by D.Navya, B.Gayathri, M.JojiBabu,S. Pravallikaunder my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr.P.Pradeep, M.Tech (Ph.D) AssociateProfessor Project Guide

Dr.DeepakKuuner, M.Tech, Ph.D Professor Head of the Department

Dr.Y.SudheerBabu, Ph.D Principal

#### KAKINADA



## A STATCOM-Control Scheme for Power Quality Improvement of Grid Connected Wind Energy System

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY

by:

SK.RAHEEM	(16H71A0230)
K. SREE KAVYA	(16H71A0244)
CH. SIVA SRUTHI	(17H75A0233)
M.RAVINDRA	(16H71A0233)
L.MAHESH VARMA	(17H75A0229)

Under the esteemed guidance of

Mr.A.V.RAVI KUMAR, M.Tech Assistant Professor Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AJCTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhsmiciämictech.ac.in, website: www.mictech.ac.in





Carl

CERTIFICATE

1150

Kanchikacheria - 521180, Krishna Dist, A.P. India.

This is to certify that the seminar report entitled "A STATCOM-Control Scheme for Power Quality Improvement of Grid Connected Wind Energy System" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by SK.Raheem, K. Sree kavya, CH. Siva Sruthi, M.Ravindra, L.Mahesh Varma under my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.



Mr.A.V.RAVI KUMAR, M.Tech Assistant Professor KUMAR, M.Tech Professor Project Guide

Dr.Deepak Kunsir, M.Tech, Ph.D. Mr.A.V.RAVI

Head of the Department

Call.

Dr. Y.Sudheer Babu, Ph.D, Principal

### KAKINADA



### DESIGN AND ANALYSIS OF 2.45 G Hz RECTENNA

A project report submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY

by:

M.SANDHYA RANI	(16H71A0241)
M.PRIYANKA	(16H71A0228)
R.GANESH BABU	(16H71A0207)
K.MANOJ KUMAR	(16H71A0220)
V. SANJAY BABU	(17H75A0229)

Under the esteemed guidance of

Dr.Deepak Kumar, M.Tech, Ph.D Head of the Department Department of EEE



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla – 521180, Krishna Dist., AP, India Phone: 08678-273535, Fax: 08678-273569 e-mail: dvrhsmic@mictech.ac.in, website: www.mictech.ac.in





(SK)

Approved by AICTE, Permanently Affiliated to: JNTUK, Kakinada Kanchikacherta - 521110, Krishna Dist, A.P. India.

#### CERTIFICATE

This is to certify that the seminar report entitled "DESIGN AND ANALYSIS OF 2.45 G Hz RECTENNA" being submitted for the partial fulfilment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by M.Sandhya Rani, M.Priyanka, R.Ganesh babu, K.Manoj Kumar, V. Sanjay Babu under my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Dr.Deepak Kumar, M.Tech, Ph.D Professor Project Guide Dr.Deepak Kumar, M.Tech, Ph.D Professor

Head of the Department

H.L

Dr. Y.Sudheer Babu, Ph.D. Principal



Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakanada) Karchikacherla - 521180, Krishna Dist, A.P. Jadia. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 email.dvrhunic@inichech.ac.in, Website: www.michech.ac.in

**Department of Mechanical Engineering** 



#### A.Y:2019-20

#### List of Major Projects

BATCH NO.	ROLL .NO	NAME	Title	GUIDE NAME
B1	17H75A0360	Vishnu Vardhan G	Evaluating the performance of shell	Ms.K. Madhuri
	17H75A0346	Suhail Ahmed Md		
	17H75A0324	Naga Vamsi N	and tube heat exchanger by the	
	16H71A0338	Rasheed Sd		
	17H75A0312	Kishan K		
	17H75A0356	Venkata Sai P	Tribological behaviour of Hybrid Metal	
	17H75A0334	Ramesh C	Matrix Composite of ZA27 using BN and	
B2	17H75A0351	Vamsi Krishna K	B <sub>4</sub> C as reinforcement	Mr.R. Ranjith
	16H71A0368	Lokesh V		Kumar
	16H71A0322	Naga Sai A		
B3	17H75A0315	Mahesh Naidu B	Prediction of material removal using	
	17H75A0325	Nagasai P	Wire cut EDM on Nimonic alloy	
	16H71A0373	Naga Chaitanya V		
	16H71A0325	Nagendra Babu B		
	16H71A0333	Rahul B		
	17H75A0303	Anil Kumar K	Statistical analysis of TIG welded	
	17H75A0316	Mani Kanth V	stainless steel plates	
B4	17H75A0326	Naveen P		
	16H71A0358	Bhanu Prasad K		
	16H71A0361	Chandra Sekhar Reddy K		wr.k.Shnivas
	16H71A0367	Kondala Rao G	Design and analysis of machine tools elements for lathe spindle	
	16H71A0347	Suman K		
B5	16H71A0390	Sai Tulasiram Ch		
	17H75A0320	Naga Aravind B		
	16H71A0340	Sai Babu D		Mr.B.Ashwini Kumar
	16H71A0374	Narasimha Rao D	Design and analysis of pedal operated	Dr.V.Srinivasa
De	17H75A0344	Somandeep V	grass cutter	Sai
Во	17H75A0329	Poorna Kiran V	]	
	14H71A0380	Joy Benson K	1	

Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliand to INTUK, Kakasadi) Karchikasheria - 571180, Krishas Dist, A.P. Isatis. Phone: 08678 - 273535, 778023, Fax: 08678 - 273569 cruel defamicifancement as in. Website areas memories in a					
	16H71A0305	Gopi Krishna M			
	17H75A0308	Ganesh Mani K	Performance improvement of solar still		
B7	16H71A0327	Noushad Shaik	using PCM		
	17H75A0341	Saikrishna J			
	16H71A0360	Bheshman Sridatta K		Dr. Novoon	
	16H71A0301	Ajay B		Sharma	
	17H75A0328	Pavan Kumar K			
	17H75A0352	Venka Mahesh Kumar Ch			
B8	17H75A0349	Upendra Varma M	Performance of analysis on Biodiesel		
	16H71A0377	Naveen K	using tamanu oil		
	16H71A0346	Srinivas L		Dr.G. Rajesh	
	17H75A0354	Venkata Ramana A			
В9	16H71A0311	Indrababu B	Surveillance robot using rocker bogie mechanism		
	17H75A0358	Venkateswara Rao D		Ms.D. Divya	
	16H71A0328	Pavan Kumar			
	16H71A0393	Sumanth T			
	16H71A0339	Sai Akash B	TIG welding of aluminium 7xxx series alloy		
	16H71A0317	Kusuma Haranadh M		Mr.Ch. Siva	
B10	17H75A0335	Rampandu B		Naga Satish	
	16H71A0387	Sai Krishna V			
	17H75A0338	Sai Babu B			
	16H71A0335	Rakesh K	Microstructure and mechanical		
	17H75A0306	Dheeraj Krishna Nagendra A	properties of TIG welded stainless steel		
B11	16H71A0348	Surendra Kumar K	plates	Mr.K.Srinivas	
	16H71A0395	Tariq Ahmed Sk			
	17H75A0361	Yaswanth Kumar D			
	17H75A0318	Manikanth G	Performance analysis of pyramid type solar still		
	17H75A0309	Gopi Kiarn P			
B12	17H75A0343	Siva Rama Kumar Reddu G		Dr. Naveen	
	16H71A0378	Pavan N		Sharma	
	15H71A0366	Prem Chand D			
	17H75A0339	Sai Krishna B			
B13	17H75A0331	Prasanth K			
	16H71A0308	Guna Sekhar B		Mr.ChSRT	
	16H71A0321	Naga Dheeraj K	Project needs to be reviewed	Phani Sai	
Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakmada) Karchikacheria - 521180, Kenhaa Dise, A.P. tadia. Phone: 08678 - 273335, 273623, Fax: 08678 - 273569 cruel defamicification acin. Website: area particular to an					
---	------------	-----------------------------	---	---------------------	--
	16H71A0336	Rama Narasimha Rao O			
		Sai Bhavani Naga Surya Teja			
	16H71A0341	D	Cost estimation analysis of three pulleys		
D44	16H71A0345	Siva Prasad Reddy Ch	assembly in industry.	Dr.V.Srinivasa	
D14	16H71A0362	Ganesh Manikanta S		Sai	
	16H71A03A4	Yaswanth Kumar B			
	16H71A0324	Naga Vijaya Kumar A			
	17H75A0301	Ahmed Basheer Sk			
	17H75A0345	Sri Harsha M	Development and testing of biodiesel		
B15	16H71A0334	Raj Kumar K	using tobacco oli		
	16H71A0352	Vamsi Krishna K		Mr.N.Naresh Babu	
	16H71A0380	Raj Kumar M		Dabu	
	16H71A0376	Naveed Ahamad Sd	Development of modified aluminium		
B16	17H75A0353	Venkata Pavan Kumar C	alloy for aerospace applications: Their		
	17H75A0342	Siva Naga Raju Ch	structure property correlation		
	16H71A03A5	Yeswanth Y		Dr.P.Bhagat	
	16H71A0313	Jaseem Sk		Singh	
	16H71A0329	Pavan Kumar N	Design and fabrication of piezo electric		
	17H75A0340	Sai Srinadh B	shoes for military applications		
B17	16H71A0399	Venkata Sai Krishna Y		Mr.M. Prasanth	
	16H71A0323	Naga Sri Pavan K		Flasallui	
	16H71A0371	Mohammad Raffi Sk			
	17H75A0363	Gopi Krishna Ch			
	17H75A0311	Karthik M	Design and modelling of a 3D printed		
B18	16H71A0315	Kalyan Kumar K	material (APSSDC)		
	17H75A0348	Teja K		Mr.V. Cowtho	
	16H71A03A2	Vignan Teja G		m Reddy	
	16H71A0382	Rajesh M			
	16H71A03A0	Venkata Sai Kumar T	Development and testing of biodiesel		
B19	17H75A0350	Vamsi Krishna G	using proponal		
	16H71A0392	Sasank R	]		
	16H71A0391	Sandeep Ch	]	Dr.G. Rajesh	
	16H71A0353	Venkata Naveen B			
Doo	16H71A0372	Murali Sai B	Development of compressed air	Mr. Y. Manidaan	
B20 -	16H71A0326	Narasimha Rao N		Varma	
	16H71A0320	Mani prasanna Kumar K			

	÷	Devineni Venkata Rama MIC College o (Approved by AICTE & Permanently Karchikacherta - 521180, K Phone: 08678 - 273355, 2738	Autonomo Affiliand to INTUK, Kakinado Centra Dist, A.P. India. (2), Fax. 08678-273569 Website unwarrantech as in	ted E
ĺ	16H71A0319	Mahaboob Sharief MD		
	16H71A0343	Sandeep B	Fabrication of raavi and jude composite	
	16H71A0364	Hardhik Hari Deep P	and its complete study	Mr.S.Sarath
B21	17H75A0302	Akhil P	- (APSSDC)	
	16H71A0351	Uma Maheswar Rao D		Chandra
	16H71A0355	Azhar Akram Md		
	17H75A0323	Naga Sai Ravindra Sarma M		
	17H75A0347	Syamprasad K	-	
B22	16H71A0363	Gopala Rao K	Improve its performance of VCR (Sigmons Lab: ABSSDC)	Mr.B.Hari
	16H71A0357	Balnaga Ajay Susanth K		Krishna
	16H71A0342	Sailesh Buddi	-	
B23	17H75A0330	Prasad D		
	17H75A0305	Deeva Selva Samuel Das M		
	16H71A0306	Gopi V	Development of nano fluids to reduce	
	16H71A0394	Sunny B		Mr.M. Soi
	16H71A0307	Gowtham P		Krishna
	16H71A0309	Harish K		
	17H75A0355	Venkata Ramana E	-	
B24	17H75A0362	Yeswanth Babu N	Tribological characteristics of aerospace	
	16H71A0388	Sai Kumar N		Dr D Rhagat
	16H71A0302	Asif Basha Sk		Singh
	17H75A0336	Ravi Kumar B		
	16H71A0396	Udaykumar K		
B25	16H71A0350	Uday Bhaskar M	Design and assembly of wind turbines (APSSDC)	Ms. K.Supriya
	16H71A0312	Jagadish Babu V		
	16H71A0331	Prem Kumar Ch	-	
	17H75A0333	Prudviraj P		
	17H75A0322	Naga Manikanta T		
B26	17H75A0337	Roja Ram P	Design and analysis of pressure vessel (NX lab)	Mr.Gaurav
	16H71A0375	Narayana J		Saraf
	16H71A0318	Leonard Sanjeev P	-	
	17H75A0327	Pardhu M		
	17H75A0359	Venu Gopal P	Development of high efficiency gas	Mr B Hari
B27	17H75A0332	Praveen G		Krishna
	16H71A0370	Manohar Ch		
	15H71A0323	Naveen Sai M		



# Devineni Venkata Ramana & Dr.Hima Sekhar

MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Karichikachoria - 521190, Krishna Dist, A.P. India.

Phone: 08678-273535, 273623, Fax: 08678-273569 e mail dyrhenic@mictoch.ac.in, Website: www.mictoch.ac.in



	17H75A0317	Mani Kumar P		
	16H71A0314	Jwala Venkata Narendra Ch		
B28	16H71A0332	Purdhvi Kumar P	FEM analysis of fins (NX lab)	Mr.A.Naga
	17H75A0304	Chaitanya Praveen Surya Teja		Pavankumar
	15H71A03A3	Madhu Babu G		
	17H75A0357	Venkatesh K	Microstructure and mechanical	
	16H71A0304	Ganesh M	properties of TIG welded stainless steel	Mr.M.
B29	16H71A0303	Asmatullah Sk		Prasanth
	16H71A0337	Ramesh D		
	15H71A0336	Sena Sai Ram K		
	17H75A0319	Mohseen Raza Ab		
	17H75A0321	Naga Durga Jagadish B		
B30	16H75A0303	Rangisetti Gopi domestic applications		
	17H75A0307	Dileep Vinay B		Mr.Gaurav Saraf
	15H71A03B1	Pavan Ramakotesh K		
	16H71A0310	Harshavardhan Reddy Ch	Vibration analysis on hybrid natural	
	16H71A0385	Sai Gokul R	composites	
B31	16H71A0384	Ravindra Babu J		
	16H71A0356	Bala Akhil Sai P		Mr Ch S R T
	15H71A0320	Manikanta Reddy S		Phani Sai
	17H75A0310	Jagadeesh S	Microstructures and Mechanical	
	16H71A0349	Suraj Ch	properties of ZA27 composite using BN	
B32	17H75A0313	Kishore Krishna Chaitanya k		
	16H71A0383	Ramki R		Mr. R. Ranjith Kumar

Signature of Project Coordinator

Signature of HOD, ME



#### **Department of Electrons & Communication Engineering**

#### A.Y:2019-20

### List of Major Projects

Batch No.	Roll No. Of the Student	Name of the Student	Project Title	Name of the supervisor
	16H71A0423	Naga Pranavi V		Savitesh M Sharma
1	16H71A0416	Jyothi T	Zono Worning System for Driver	
1	16H71A0468	Gopi V	Zone warning System for Driver	
	16H71A0425	Omkar M		
	16H71A0462	Chandini A		
2	16H71A0427	Prathyusha K	Wireless Electronic Notice Board using GSM	Coutom Kumar Cunta
2	16H71A04E2	Sai Karthik G	Technology	Goulain Kuinar Gupta
	16H71A04B7	Devi Shyamlal D		
	16H71A0456	A S R Ruthvik V		
3	16H71A0414	Hemani Jyothi K	Hardware-Software Codesign for Fruitful	DDK Singh
5	16H71A0461	Chandana Ch	Surveil of Aquatic Resource	DRK Siligi
	16H71A0499	Sri Swetha Hrudaya Raj B		
	16H71A04C0	Gayathri Devi A		Ch Pulla Rao
4	16H71A0426	Pavan Kalyan K	Compression Technique for 5G Vehicular	
	16H71A0442	Sravanthi Y	Networks	
	16H71A04E7	Siva Sandeep M		
	16H71A0497	Sharada G	Automated Attendance by Face Recognition	G. Anantha Lakshmi
5	16H71A04D5	Premchand A		
5	17H75A0407	Lakshmi Prasanna D		
	16H71A0434	Sai Krishna V		
	16H71A0450	Vasavi Durga V		
16H71A04E7Siva Sandeep M16H71A0497Sharada G16H71A04D5Premchand A17H75A0407Lakshmi Prasanna D16H71A0434Sai Krishna V16H71A0450Vasavi Durga V16H71A04F5Ummar M	Ummar M	Automatic Fabric Defect Detection Using	D. Babul	
0	17H75A0411	Naganjani Harichandana N	Image Processing	D. Kaliul
	16H71A04F9	Venu M	Automated Attendance by Face Recognition Automatic Fabric Defect Detection Using Image Processing	
	16H71A04C5	Kavya G		
7	16H71A0490	Sai Kiranmai T	Enhanced Detection of Diabetic Retinopathy	C. Domodovi
/	16H71A04D2	Pavan Kalyan G	Using Advanced Filters	5. Kalliduevi
	16H71A04F1	Suraj Issac J		
	16H71A04D7	Ramya T		
0	16H71A0457	Balarama Krishna Chowdary V	Signatura Varification Systems	V Sruthi
0	17H75A0416	Venkateswarlu Ch	Signature Vernication Systems	r. Sruthi
	16H71A04C4	Himabindhu M		
	16H71A04D6	Ramcharan Reddy A		
0	16H71A0486	Pravallika M	Deeplearning for Recognizing Human	K. Veenanand
9	16H71A0404	Aswini Krishna T	Activities Using Motions of Skeletal Joints	
	17H75A0417	Vishnu Vardhan Ch		

	Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology					
	(Approved by AICTE & Permanently Affiliated to INTUK, Kakisada)					
	Plane 100678 - 273535, 173623, Fue: 08678 - 273599 NAAC A					
Batch No.	Roll No. Of the Student	Name of the Student	Project Title	Name of the supervisor		
	16H71A04F6	Bhanu Venkata Sai Seetha Ram A		•		
10	16H71A04C6	Keerthinagapavani R	Real Time Security System Using Finger Vein	T Sridovi		
	16H71A0422	Mounika M	Technology	1 SILLEVI		
	16H71A04D3	Phanidra Kumar V				
	16H71A0481	Naveen Chandra V				
11	16H71A04G1	Y V Gowthami	Two Wheel Self Balancing Robot Using	KSR Sastry		
11	16H71A0436	Sandeep Kumar Reddy S	Arduino	KSK Sasti y		
	16H71A0480	Nasrin Sk				
	16H71A0478	Meghana V				
12	16H71A0415	Jagadeesh Kumar P	Arduino Basad Badar System	G Kiran Kumar		
12	16H71A04F8	Venkateswara Rao R	Ardunio Based Radai System	G. Kirdir Kurridi		
	16H71A04C8	Lakshmi Prasanna B				
	16H71A04E9	Sri Ram Sundeep Kumar Y		S. Ramadevi		
13	16H71A0419	Malyadri J	Design and Analysis of Microstrip Patch Antennas Using Artificial Neural networks			
13	16H71A0408	Chetan P				
	16H71A0492	Sai Nikhil A				
	16H71A04B2	Amrutha S	Implementation of Safety and Security System for Houseboats Using PIC Microcontroller	M.Manasa		
14	16H71A04B1	Alekhya M				
14	17H75A0402	Achyuth Reddy K				
	16H71A0479	Mohan Sai Krishna Ch				
	16H71A0498	Sireesha A		L. Tiru Ganesh		
15	16H71A0464	Dilwar Pasha Sk	Cardiac Septinel			
15	16H71A0429	Rahul Priyadarsana P	Calulac Sentinei			
	16H71A0471	Hyndavi M				
	16H71A0402	Aneesha Sk				
16	16H71A0417	Kalyani Ch	Stress Level Indicator Using Sensor Signals			
10	17H75A0414	Narendra Chowdary N	and MATLAB Program	S.T IVITUUUIA		
	16H71A0485	Prabhu Sai Kiran K				
	16H71A0496	Shanumukha S				
17	16H71A0428	Preethichandana K	Wireless Surveillance Robot with Motion	R V Coninath		
1/	16H71A04A0	Srinitha B	Gas Detection			
	16H71A04F7	Venkatesh S				
	16H71A04E4	Sai Ram M				
10	16H71A0455	Yuva Vardhini T	Performance Analysis of Different Bit Cary	Ch. Lakshmana		
10	16H71A04A2	Srujana B	Look Ahead Adder UsingVHDL			
	16H71A0484	Pavan Kumar T				
	16H71A0463	Devi B				
	17H75A0405	Jayaaraghuvardhan D				
19	17H75A0412	Nagaveni V	Field Monitoring and Controlling K.Thirupath	K.Thirupathi Rao		
	16H71A04D4	Prasanth P				
	16H71A0477	Mahesh Babu M				

	Devineni Venkata Ramana & Dr.Hima Sekhar AUTONOMOUS					
	MIC College of Technology					
	(Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) NBA-Accredited Blieth (CSE) [CC [ACE]					
	Karubikacherla - 525180; Krishna Dist, A.P. India.					
	Plane 10678 - 273535, 173623, Fun: 08678 - 273509 NAAC A					
	17H75A0415	Rajeswari T				
20	16H71A04A8	Venkata Vishnu Sai M				
20	16H71A04A3	Saikeerthana G	Straddling Bus	Ch. Harika		
	16H71A04E0	Sadiq Sk				
	16H71A0430	Rajasekhar Reddy T				
21	16H71A0441	Siva Satish Kumar P	Opportunistic Routing Algorithm for Relay	Pai Kumar laiswal		
21	16H71A04E6	Saradhi T	Node Selection in Wireless Sensor Network	Raj Kumar Jaiswai		
	16H71A04G0	Vijay Kumar T				
	16H71A0451	Venkata Lakshmi Pavithra N				
22	17H75A0413	Nanda Gopal P	An Unmanned Multi-Purpose Army Robot	D. Anitha		
	16H71A04E1	Sai Bhavya V	Using Camouflag	B.Anitha		
	16H71A0439	Sesha Sai Jagannath A				
	16H71A04D9	Sabeha Sultana Sd				
22	16H71A0411	Divvya Nagini Y	Detecting the IP Theft Using Scan Side			
23	16H71A04D1	Naga Sahith D	Channel	G. Sivarama Krishna		
	16H71A0444	Srinivas B				
	16H71A0467	Geetha Y	Women Security System Using IOT	B. Y. Gopinath		
24	16H71A04F4	Tejaswini R				
24	16H71A0440	Siva Naga Krishna D				
	17H75A0410	Naga Venkata Surya Chaitanya Y				
	17H75A0409	Mounika B		G. Naga Lakshmi		
	17H75A0401	Abhilash A				
25	16H71A0459	Bhavana N	Advanced Driver Assistance System			
	16H71A0431	Ravi Raja M				
	16H71A0469	Gopinadh G				
	16H71A04B3	Amulya R				
26	16H71A04E5	Sampath K				
26	16H71A04C3	Hema V	Smart Blind-Stick for Visually impaired	Savitesn IVI Sharma		
	16H71A0482	Naveen K				
	16H71A0405	Bharathi A				
27	16H71A04C9	Manasa Ch	A New CDMA Encoding and Decoding	Courtons Kurson Cursto		
27	17H75A0403	Ajith P	Method for On-Chip Communication network	Goutam Kumar Gupta		
	16H71A0452	Venkata Sai Ganesh M				
	16H71A04F3	Tejaswi G				
20	16H71A04E3	Sai Madhuri G	Con Dia da Dara Grataria			
28	16H71A0447	Tejasri D	Car Black Box System	BRK Singh		
	16H71A0443	Srilekha M				
	16H71A04C7	Kumar Abhinav S				
20	16H71A04D0	Mounika Sri N	Camouflaged Foreground Detection with			
29	16H71A04A3	Supriya P	Convental Methods	Ch Pulla Rao		
	16H71A0437	Sankar K				
30	16H71A0454	Venkatesh K	A High Flexible, Low Latency Memory based	C Amarila I I I I		
	16H71A04E8	Sravya D	FFT Processor for 4G,WLAN and Future 5G	G. Anantha Lakshmi		

	3	Deviner	ni Venkata Ramana & Dr.Hima Sekhar	DNOMOUS		
	MIC College of Technology					
	(Approval by AICTE & Permanently Affiliated to INTUK, Kakisada) [Alich (CE)(CE)(ME)]					
	Karubikacherla - 525130; Krishna Dist, A.P. India. Accessed inest live					
	Phane: 00678 + 273535, 273623, Fun: 08678 - 273509 e-mail: dythamic/litric/let.in: Website: www.mictech.ac.in					
	16H71A0472	Jaya Sree N				
	16H71A0453	Venkata Sai Koushic Varma P				
	16H71A04D9	Revanth Kumar B				
21	16H71A04B0	yoga bhargavi P	Creding of Diag Crains by Image Dragossing	D. Dahul		
51	16H71A04A6	Vamsi Krishna G	- Grading of Rice Granis by image Processing	D. Kanul		
	16H71A0476	Lalitha V				
	16H71A04A7	Venkata Laksmi Kalyani T				
27	16H71A0401	Abdul Aleem Baig M	A Novel Approach of MRI-CT Image Fusion	L Tiru Capach		
52	16H71A04A1	Srinu K	Using CWT for Finding Disease Location	L. Thu Gallesh		
	16H71A0460	Chaithanya B				
	16H71A0448	Tejaswini P				
33	17H75A0404	Harika K	Impulse Noise Reduction Using Modified	V Sruthi		
55	16H71A04B8	Durga Venkatesh P	Median Filter Based on Direction Index	r. Sruthi		
	16H71A0489	Sai Hari Y				
	16H71A04C1	Harika M	Detecting and Counting of Neurons in the Proteomic and Genomic Image Data	K. Veenanand		
34	16H71A0483	Pavan Giri Shashank K				
54	16H71A0413	Gopichand G				
	16H71A0407	Bhavya J				
	16H71A0446	Supraja G		T Sridevi		
35	16H71A04B5	Bhavya Durga Z	Smart Plug Using IOT			
55	16H71A04A5	Syam Kishore U	_			
	16H71A0494	Sairam D				
	16H71A0475	Lakshmi Tejaswani B				
36	16H71A0406	Bhavani Reddy J	Child Safety Wearable Device	KSR Sastry		
	16H71A0474	Kiran Kumar R	_			
	16H71A04B9	Galibsaida Sk				
	16H71A0473	Jayalakshmi Bhargavi D	_			
37	16H71A0465	Finny Prem Kumar D	A Smart ATM Security System Using	G. Kiran Kumar		
	16H71A0409	Chinnamaya Chari A	Kaspberri pi			
	16H71A0420	Maneesha P				
	16H71A0458	Bhargavi M	-			
38	16H/1A0445		Power Generating Shoes	K. Thirupathi Rao		
	17H75A0408	Mobeen Ashraf Md	_			
	16H71A0412	Gopichand Ch				
	16H/1A0488	Sai Gopal J				
39	16H/1A0468	Gurusai Kiran Y	Automatic Ration Material Distribution Based	ST Mrudula		
	16H/1A0495	Snanmukna Branma K				
	10H/1AU438	Sardanar Hussain Sk				
	16H/1A04C2		-			
40 <u>1</u> 1	10H/1AU410			Ch. Lakshmana		
	16H/1A0432	Sai Krisnna A	-			
	16H/1A04A4	Swetna M				

1

E.



#### Project location: UTS, Hyderabad.

Batch No.	Roll No. Of the Student	Name of the Student	Project Title	Name of the supervisor
41	17H75A0406	Lakshmi Deepika S		D.Rahul

Signature of Coordinator

K.Thirupathi Rao

Signature of HoD (Dr.Ch.Pulla Rao)



#### "Compression Technique for 5G Vehicular Networks"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY

in

ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

A Gayathri Devi (16H71A04C0)

K Pavan Kalyan (16H71A0426)

Y Sravanthi (16H71A0442)

M Siva Sandeep (16H71A04E7)

Under the Esteemed Guidance of Mr. CH. PULLA RAO, M.Tech,[Ph.D] Associate Professor

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr. Hima Sekhar



(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist., A.P. India. Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhsmic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020





Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521 180, Krishna Dist, A.P. India. Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhsmic@mictech.ac.in, Website: www.mictech.ac.in 2019 - 2020



## CERTIFICATE

2023 16

This is to certify that the Main Project entitled "COMPRESSION TECHNIQUE FOR 5G VEHICULAR NETWORKS" is a bonafide work carried out by A Gayathri Devi (16H71A04C0), K Pavan Kalyan (16H71A0426), Y Sravanthi (16H71A0442), M Siva Sandeep (16H71A04E7) in partial fulfilment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-2020.

(Mr. CH. Pulla Rao)

**Project Supervisor** 

(Dr. Goutam Kumar Gupta)

Head of the Department

(Dr. Y. Sudheer Babu)

Principal



### "CAMOUFLAGED FOREGROUND DETECTION WITH COVENTIONAL METHODS"

Submitted to

Jawaharlal Nebru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

S. KUMAR ABHINAV (16H71A04C7)

N. MOUNIKA SRI (16871A0400)

P. SUPRIYA

(16H71A04A3)

K. SANKAR (16H71A0437)

Under the Esteemed Guidance of Mr. CH. PULLA RAO Associate Professor

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr Hima Sekhar



MIC College of Technology (Approved by AECTE & Permanently Attiliated to PNTUK, Kakimalao Kandakacherla - 521180, Krohna Dor, A.P. India Plane: 08678 - 271555, 275623, Fax 08678 - 271559 E-mail: dorhumsoignichech ac in, Wolnike: www.minkodt.ac.in 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacheria - 521180, Keishna Dist, A.P. Jadia, Phone : 08678 - 273535, 273623, Fas: 08678 - 273569 E-mail: dwfomicoentetech.ac.in, Website: www.mictech.ac.in 2019-2020



# **CERTIFICATE**

This is to certify that the Main Project entitled "CAMOUFLAGED FOREGROUND DETECTION WITH CONVENTIONAL METHODS" is a bonafide work carried out by S. KUMAR ABHINAV (I6H7IA04C7), N. MOUNIKA SRI (I6H7IA04D0), P. SUPRIYA (I6H7IA04A3) and K. SANKAR (I6H7IA0437) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawahartal Nehru Technological University Kakinada during the year 2019-20.

(Mr. Ch. Pulla Rao) Project Supervisor

(Dr. Goutam Kumar Gupta)

Head of the Department.

CSC O

(Dr. Y. Sudheer Babu) Principal

Examiner 1



# "CDMA ENCODING/DECODING METHOD FOR ON-CHIP COMMUNICATION NETWORK"

Submitted to

Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

A.Bharathi (16H71A0405)

P.Ajith (17H75A0403)

Ch.Manasa (16H71A04C9)

M.V.S.Ganesh (16H71A0452)

Under the Esteemed Guidance of Dr.Goutam Kumar Gupta, M.Tech, Ph.D., Associate Professor

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology ( Approved by AJCTE & Permanently Affiliated to JNTUK, Kakinada) Karchikacherla - 521180, Krishna Dist, A.P., India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhsmic@mictedh.ac.in, Website: www.mictech.ac.in 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakirada) Kanchikacheria - 521180, Krishna Dist, A.P. India. Phone : 08678 - 273535, 273623, Fas: 08678 - 273569 E mail: dvrhanic@mictech.ac.in 2019-2020



CERTIFICATE

This is to certify that the Main Project entitled "CDMA Encoding/Decoding Method for On-Chip Communication Network" is a bonafide work carried out by A.Bharathi (16H71A0405), Ch.Manasa (16H71A04C9), P.Ajith (17H75A0403), M.V.S.Ganesh (16H71A0452) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawahartal Nehru Technological University Kakinada during the year 2019-20.

(Dr.Goutam Kumar Gupta) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

CER O

(Dr. Y. Sudheer Babu)

Principal



# "SMART TACK BOARD"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

A.CHANDINI (16H71A0462)

K. PRATHYUSHA (16H71A0427)

G. SAI KARTHIK (16H71A04E2)

D. DEVI SHYAMLAL (16H71A04B7)

Under the Esteemed Guidance of Dr. Goutam Kumar Gupta, Ph.D, IIT-JODHPUR Associate Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr.Hima Sekhar

MIC College of Technology (Approved by ARCTE & Permanently Affiliated to JNTUK, Kakinada) Karchikacherla - 521180, Krishen Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dwhsnioighnictech.ac.in, Website: www.asictech.ac.in 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakirada) Kanchikacherla - 521180, Kristen Dist, A.P. India.

Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhamic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020



# CERTIFICATE

ROF SHOW

This is to certify that the Main Project entitled "SMART TACK BOARD" is a bonafide work carried out by A.CHANDINI (16H71A0462), K. PRATHYSHA (16H71A0427), G. SAI KARTHIK (16H71A04E2), D. DEVI SHYAMLAL (16H71A04B7) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

1C

(Dr.Goutam Kumar Gupta) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

CEST

(Dr. Y. Sudheer Babu)

Principal

Examiner



# "DETECTING AND COUNTING OF NEURONS IN THE PROTEOMIC AND GENOMIC IMAGE DATA"

Submitted to Jawaharlal Nebru Technological University Kakirada in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

M. HARIKA (16H71A04C1)

K. PAVAN GIRI SHASHANK (16H71A0483)

G. GOPICHAND (16H71A0413)

J. BHAVYA

(16H71A0407)

Under the Esteemed Guidance of Mr. K. VEENANAND, M.Tech, Assistant Professor

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar

MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kokinada) Kanchikacherla - 521180, Krishma Dist, A.P., India. Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dwftsmic@mictech.ac.in, Website: www.mictech.ac.in

2019-2020



MIC College of Technology

(Approved by AKTE & Permanently Affiliated to INTUK, Kakinedat Knochikacherla - 521186, Krishea Eller, A.P. Jedin Phene - 68638 - 273535, 273621, East 08678 - 273549 E-mail: dynhamic;denictech ac in 2019-2020



#### CERTIFICATE

This is to certify that the Main Project entitled "DETECTING AND COUNTING OF NEURONS IN THE PROTEOMIC AND GENOMIC IMAGE DATA" is a bonafide work carried out by M. HARIKA (16H71A04C1), K. PAVAN GIRI SHASHANK (16H71A0483), G. GOPICHAND (16H71A04I3) and J. BHAVYA (16H71A0407) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

K. Veenanand)-

**Project Supervisor** 

(Dr. Goutam Kumar Gupta)

Head of the Department

(Dr. Y. Sudheer Babu)

Principal





# "DEEP LEARNING FOR RECOGNIZING HUMAN ACTIVITIES USING MOTIONS OF SKELETON JOINTS"

Submitted to Jawaharlal Nehra Technological University Kakinada in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY in ELECTRONICS&COMMUNICATION ENGINEERING

Submitted by

A.RAM CHARAN REDDY (16H71A04D6)

MPRAVALLIKA (18H71A0436)

T.ASWINI KRISHNA

(16H71A0404)

CHAVISHNU VARDHAN (17H75A0417)

Under the Esteemed Guidance of Mr. K. VEENANAND, M.Tech., Assistant Professor

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DevineniVenkataRamana&Dr.HimaSekbar



 MIC College of Technology prived by AICTE & Permanently Affiliated to INTUK, Kakimalai Kanthikacherle - 521180, Krishma Diat, A.P. India. Phone: 08678 - 273535, 273623, Fax: 08678 - 2735a9 E-mail: dwhanieigneictech.ac.in, Webate: www.mictech.ac.in 2019-2020



DevineniVenkataRamana&Dr.HimaSekhar MIC College of Technology proved by AICTE & Perminently Affiliated to INTUK, Kakinado Katchikacherla - 521180, Krishne Diat.A.P. Italia. Phone : 08578 - 273535, 273523, Fax: 08678 - 273569 It mell: dynhamicg@mictech.ac.in, Website: www.mictech.ac.in 2019-2020



## CERTIFICATE

This is to certify that the Main Projectentitled "DEEP LEARNING FOR RECOGNIZING HUMAN ACTIVITIES USING MOTIONS OF SKELETON JOINTS" is a bonafide work carried out by A. RAM CHARAN REDDY (16H71A04D6). M. PRAVALLIKA (16H71A0486), T. ASWINI KRISHNA (16H71A0404) and CH. VISHNU VARDHAN (17H75A0417) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering Jawahartal Nehru Technological University Kakinada during the year 2019-20.

K. Veenanand)

**Project Supervisor** 

(Dr. Goutam Kumar Gupta) Head of the Department

CAR

(Dr. Y. Sudheer Babu) Principal

Examiner 1



#### "SECURITY ALERT USING RASPBERRY PT"

Submitted to Jawaharlal Nebru Technological University Kakinada in partial folfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

D. J. LAKSHMI BHARGAVI (16H71A0473)

D. FINNY PREM KUMAR(16871A0465)

A. CHINNAMAYA CHARI (16H71A0409)

P. MANKESHA (16H71A0420)

Under the Esteemed Guidance of Mr. G. KIRAN KUMAR, M.Tech., Assistant Professor

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr.Hima Sekhar



MIC College of Technology

(Approved by ARTTE & Permanently Affiliated to PNUS, Kakinashi Kanchikacherta - 521180, Krishon Dia, A.P. India, Pixer: 98678 - 273535, 273623, Fax: 98078 - 273509 E-mail: dorhamieigenistech.ac.m, Website: <u>www.mistach.ac.in</u> 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakirada)

Kanchikacheria - 521180, Krishna Dist, A.P. Iwlin, Phone : 08678 - 273535, 273621, Fax: 08678 - 273569 E-mail: dwfoesicojimictoch.ac.in, Website: www.mictoch.ac.in 2019-2026



## CERTIFICATE

This is to certify that the Main Project entitled "SECURITY ALERT USING RASPBERRY PI" is a bonafide work carried out by D. JAYA LAKSHMI BHARGAVI (16H71A0473), D. FINNY PREM KUMAR (16H71A0465), A. CHINNAMAYA CHARI (16H71A0409) and P. MANEESHA (16H71A0420) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mr. G. Kiran kumar)

Project Supervisor

(Dr. Goutam Kumar Gupta)

Head of the Department

(Dr. Y. Sudheer Babu) Principal



# "ARDUINO BASED RADAR AND SURVILLANCE SYSTEM"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by V. MEGHANA (16H71A0478) P. JAGADISH KUMAR (16H71A0415) R. VENKATESHSWARAO (16H71A04F8) B. LAKSHMI PRASANNA (16H71A04C8)

> Under the Esteemed Guidance of Mr. G. Kiran Kumar, M.Tech., Assistant professor

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Kristna Diat, A.P. India Phone: 08678 - 273535, 273623, Pasc 08678-273569 Email: dvthsmicijimicrech.ac.in, Website: www.mictech.ac.in 2019-2020





#### CERTIFICATE

This is to certify that the Main Project which is entitled with "ARDUINO BASED AND SURVILLANCE SYSTEM" is a bonafide work carried out by V. MEGHANA (I6H71A0478), P.JAGADISHKUMAR(I6H71A0415), R.VENKATESHSWARAO(I6H71A 04F8), B.LAKSHMIPRASANNA(I6H71A04C8) in partial fulfilment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-2020.

# COURTS!

(G. KIRAN KUMAR) Project Supervisor

(Dr. GOUTAM KUMAR GUPTA) Head of the Department

(DR. Y. SUDHEER BABU)

Principal

Examiner 1



# SMART CITY TRAFFIC CONTROL USING VIDEO

PROCESSING

Submitted to

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

#### BACHELOR OF TECHNOLOGY

in

# ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

M.Bhargavi (16H71A0458) Y.Sukanya(16H71A0445) M.M.Ashraf(17H71A0408) Under the Esteemed Guidance of

Mr. K.Thirupathi Rao, M.tech,

Assisstant professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr.Hima Sekhar

# MIC College of Technology

(Approved by AJCTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist, A.P. India.

Phone : 08678 - 273535, 273623, Fax: 08678 - 273569

E mail: dvthamie@mictech.ac.in, Website: www.mictech.ac.in



2019-2020



Devineni Venkata Ramana & Dr. Hima Sekhar

MIC College of Technology



(Approved by AICTE & Permanently Affiliated to INTUK, Kakinada:

Kanchikacherla - 321180, Krishna Disr, A.P. India. Phone: 08678 - 273535, 273623, Fax: 08678 - 371569

E mail: dyrhunic@mictech.ac.in, Website: www.mictech.ac.in

#### 2019-2020

#### CERTIFICATE

This is to certify that the Main Projectr entitled "SMART CITY TRAFFIC CONTROL USING VIDEO PROCESSING" is a bonafide work carried out by M.Bhargavi(16H71A0458), V.Sukanya(16H71A0445) and M.M.Ashraf(17H71A0408) in partial fulfilment for the award of degree of Elachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-2020.

11.11.2013

T. Reng (Mr. K.Thirupathi Rao)

Seminar Supervisor

(Dr. Goutam Kumar Gupta)

A CREWSLEEPING

Head of the Department



#### "SMART PLUG USING IOT"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY in ELECTRONICS&COMMUNICATION ENGINEERING

Submitted by

G.SUPARAJA	(16H71A0446)	Z.BHAVYA DURGA	(16H71A04B5)
U.SHYAM KISHORE	(16H71A04A5)	D.VENKATA SAI RAM	(16H71A0494)

Under the Esteemed Guidance of Mrs. T.SRIDEVI, M.Tech., Assistant Professor

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



MIC College of Technology pproved by AICTE & Permanently Affiliated to INTUK, Kakinada) Kaschikacherla - 521180, Krishna Dist, A.P., India. Phone : 08678 - 273555, 273623, Fac: 08678 - 273569 E mail: dotharsik@mictech.ac.in, Website: www.mictech.ac.in 2019-2020

DevineniVenkataRamana&Dr.HimaSekhar



#### CERTIFICATE

This is to certify that the Main Project entitled "SMART PLUG USING IOT" is a bonafide work carried out by G.SUPARAJA(16H71A0446), Z.BHAVYA DURGA (16H71A0485), U.SHYAM KISHORE(16H71A04A5) and D.VENKATA SAI RAM (16H71A0494) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20:

(Mrs.

**Project Supervisor** 

(Dr. Goutam Kumar Gupta) Head of the Department

CASE

(Dr. Y. Sudheer Babu) Principal

Examiner



#### "REAL TIME SECURITY SYSTEM USING FINGER VEIN TECHNOLOGY"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

A. BHANUVSSR (16H71A04F6)

R. KEERTHI NAGA PAVANI (16H71A0414)

M. MOUNIKA (16H71A0422)

V. PHANINDRA KUMAR (16H71A04D3)

Under the Esteemed Guidance of Mrs. T. SRIDEVI, M.Tech., Assistant Professor

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr. Hima Sekhar

# MIC College of Technology

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist., A.P. India. Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhsmic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020





# Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)

Kanchikacherla - 521180, Krishna Dist, A.P. India. Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhsmic@mictech.ac.in, Website: www.mictech.ac.in 2019 - 2020



#### CERTIFICATE

This is to certify that the Main Project entitled "REAL TIME SECURITY SYSTEM USING FINGER VEIN TECHNOLOGY" is a bonafide work carried out by, A. Bhanu Venkata Sai Seetharam (16H71A04F6), R. Keerthi Naga Pavani (16H71A0422), M. Mounika (16H71A0422), V. Phanindhra Kumar (16H71A04D3) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-2020.

**Project supervisor** 

(Dr. Goutam Kumar Gupta)

Head of the Department

CESE S

(Dr. Y. Sudheer Babu)

Principal



# "A High Flexible Low Latency Memory Based FFT Processor For 4G,WLAN And Future 5G"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in

## ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

K. Venkatesh (16H71A0A54)

D. Sravya(16H71A04E8)

N. Jayasree(16H71A0472)

P Venkata Sai Koushie Varma(16H71A0453)

Under the Esteemed Guidance of Mrs.G.Anantha Lakshmi, M.Tech Assistant Professor

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist, A.P. Isdia. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhamic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakinado) Karchikacheria - 521180, Keistras Dist, A.P. India. Phose : 08678 - 273535, 273523, Fax: 08678 - 273569 E-mail: dythunici@mictech.ac.in, Website: www.mictech.ac.in

NBA-Accredited NBA-Accredited Arecredited by NAAC A with Grade A An ISO Web 3000 Centifed Instinue

### CERTIFICATE

2019-2020

This is to certify that the Main Project entitled "A High Flexible Low Latency Memory Based FFT Processor for 4G, WLAN, Future 5G" is a bonafide work carried out by K.Venkatesh (16H71A0454), D. Sravya(16H71A04E8), N.Jayasree(16H71A0472) and P.Venkata sai koushic varma(16H71A0453) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlad Nehru Technological University Kakinada during the year 2019-20.

ha Lakshmi)

(Mrs. 'G. Anawitha Lakshm Project Supervisor

GL

(Dr. Goutam Kumar Gupta) Head of the Department

CER D

(Dr. Y. Sudheer Babu)

Principal



# "A High Flexible Low Latency Memory Based FFT Processor For 4G,WLAN And Future 5G"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY in ELECTRONICS&COMMUNICATION ENGINEERING

Submitted by

K. Venkatesh(16H71A0A5

D. Sravya(16H71A04E8)

N. Jayasree(16H71A0472)

P. Venkata Sai KoushieVarma(16H71A0453)

Under the Esteemed Guidance of Mrs. G. Anantha Lakshmi, M.Tech, Assistant Professor

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to PNTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist, A.P., Iadia. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dwfsmic@emictech.ac.in, Website: www.mictech.ac.in

ech.ac.in, Website: www.micte 2019-2026





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakineka) Kanchikacherla - 521180, Krishra Dist, A.P. India.

Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dwtamic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020



## CERTIFICATE

This is to certify that the Main Project entitled "A High Flexible Low Latency Memory Based FFT Processor for 4G, WLAN, Future 5G" is a bonafide work carried out by K.Venkatesh(16H71A0454), D. Sravya(16H71A04E8), N.Jayasree(16H71A0472) and P.Venkata sai koushic varma(16H71A0453) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

2-Aletshi

(Mrs. G. Anantha Lakshmi)

**Project Supervisor** 

(Dr. Goutam Kumar Gupta) Head of the Department

(Dr. Y. Sudheer Babu)

Principal



# "AUTOMATED ATTENDANCE USING FACE RECOGNITION"

Submitted to Jawaharlal Nebru Technological University Kakinada in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

G. Sharada

(16H7LA0497)

A.Premchand(16H71A04D5)

D.Lakshmi Prasanna(17H75A0407)

V.Sai Krishna(16H71A0434)

Under the Esteemed Guidance of Mrs. G. Anantha Lakshmi, M.Tech., Assistant Professor

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr.Hima Sekhar

MIC College of Technology

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakiraala) Kanchikacheria - 521180, Krishna Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dwfnamic@mictech.ac.in 2019-2020







Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Karchikacherla - 521180, Kristnaa Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273560 E mail: dvehamio@mictech.ac.in, Website: www.mictech.ac.in 2019-2020



# CERTIFICATE

This is to certify that the Main Project entitled "AUTOMATED ATTENDANCE BY FACE RECOGNITION" is a bonafide work carried out by G.SHARADA (16H71A0497), A.PREMCHAND(16H71A04D5), D.LAKSHMIPRASANA(17H75A0407), V.SAIKRISHNA (16H71A0434) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

mp 1 axs

Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

(Dr. Y. Sudheer Babu)

Principal


#### "REAL TIME MANHOLE MONITORING SYSTEMS"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

V. NAVEEN CHANDRA (16H71A0481) Y. VENKATA GOWTHAMI (16H71A04G1) S. SANDEEP KUMAR REDDY (16H71A0436) Sk. NASRIN (16H71A0480)

> Under the Esteemed Guidance of Mr. K. S. R. SASTRY, M.Tech, [Ph.D] Assistant Professor

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING





(Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Kanchikacheria - 521180, Krishna Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhamic@mictech.ac.in, Website: www.mictoch.ac.in

2019-2020



Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kaschikacherls - 521180, Krishra Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrlsmic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020



## CERTIFICATE

This is to certify that the Main Project entitled "REAL TIME MANHOLE MONITORING SYSTEMS" s a bonafide work carried out by V. NAVEEN CHANDRA (16H71A0481), Y. VENKATA GOWTHAMI (16H71A04G1), S. SANDEEP KUMAR REDDY (16H71A0436) and Sk. NASRIN (16H71A0480) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mr. K. S. R. Sastry) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

SEL

(Dr. Y. Sudheer Babu) Principal



#### "Advanced rider assistance system"

Submitted to Jawaharlal Nehru Technological University Kakinada In partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY IN ELECTRONICS & COMMUNICATION ENGINEERING

#### Submitted by

B.Mounika(17H75A0409)

A.Abhilash (17H75A0401)

N.Bhavana (16H71A0459)

M.Ravi raja (16H71A0431)

G.Gopinadh (16H71A0469)

Under the Esteemed Guidance of Ms. G. Naga Lakshmi M.Tech., Assistant Professor

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology

(Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Karchikacherla - 521180, Kristena Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhamie@mictech.ac.in, Website: www.mictech.ac.in 2019-2020







## CERTIFICATE

8858 mar

This is to certify that the Main Project entitled "Advanced rider assistance system" is a bonafide work carried out by B.Mounika(17H75A0409), A.Abhilash(17H75A0401), N.Bhavana(16H71A0459), M.Ravi raja (16H71A0431), G.Gopinadh (16H71A0469) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nebru Technological University Kakinada during the year 2018-19.

(G.Naga Lakshmi) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

SES

(Dr. Y. Sudheer Babu)

Principal



## "AUTOMATIC RATION MATERIAL DISTRIBUTION BASED ON GSM AND RFID TECHNOLOGY"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

J.SAI GOPAL

R.SHANMUKHA BRAHMA (16H71A0495)

Y.GURUSAI KIRAN (16H71A0470)

(16H71A0488)

SK.SARDHAR HUSSAIN (16H71A0438)

Under the Esteemed Guidance of Mrs.S.T.MRUDULA, M.Tech (Ph.D), Assistant Professor

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to PNTUK, Kakinada) Kaschikacherla - 521180, Krishna Dist, A.P. India. Phone : 68678 - 273535, 273623, Fax: 08678 - 273569 E-mail: derhanic@micrech.ac.in, Website: www.micrech.ac.in 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology

(Approved by AJCTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacheria - 521180, Krishna Dist, A.P., India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhsmic@mietech.ac.in, Website: www.mietech.ac.in 2019-2020



## CERTIFICATE

This is to certify that the Main Project entitled "AUTOMATIC RATION MATERIAL DISTRIBUTION BASED ON GSM AND RFID TECHNOLOGY" is a bonafide work carried out by J.SAI GOPAL (16H71A0488), Y.GURUSAI KIRAN (16H71A0470), R.SHANMUKHA BRAHMA (16H71A0495) and SK.SARDHAR HUSSAIN (16H71A0438) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mrs. S.T.Mrudula) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

CESSE

(Dr. Y. Sudheer Babu) Principal



## "SAFETY SYSTEM FOR MINE WORKERS IN HEAVY INDUSTRIES"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

SD.SABEHA SULTANA (16H71A04D9) D.NAGA SAHITH (16H71A04D1)

Y.DIVYA NAGINI (16H71A0411) B.SRINIVAS (16H71A0444)

Under the Esteemed Guidance of Mr. G. SIVA RAMA KRISHNA, M.Tech, Assistant Professor

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr.Hima Sekhar

MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Kristma Dist, A.P. India.

Phone: 08678 - 273535, 273623, Fax: 08678 - 273569

E mail: dvrhamico@mictech.ac.in, Website: www.mictech.ac.in

2019-2020





MIC College of Technology (Approved by AICTE & Permavently Affiliated to INTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrbanic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020

Devineni Venkata Ramana & Dr.Hima Sekhar



#### CERTIFICATE

(307) May ....

This is to certify that the Main Project entitled "SAFETY SYSTEM FOR MINE WORKERS IN HEAVY INDUSTRIES" is a bonafide work carried out by SD.SABEHA SULTANA (16H71A04D9), Y.DIVYA NAGINI (16H71A0411), D.NAGA SAHITH (16H71A04D1), B.SRINIVAS (16H71A0444) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mr. G.Siva Rama Krishna) Project Supervisor

(Dr. Goutám Kumar Gupta) Head of the Department

CESC.

(Dr. Y. Sudheer Babu)

Principal

Examiner



# "VHDL IMPLEMENTATION OF PROGRAMMABLE DIRECT FREQUENCY SYNTHESIZER FOR DIGITAL COMMUNICATION APPLICATIONS"

Submitted to Jawaharial Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS&COMMUNICATION ENGINEERING

Submitted by

### S. LAKSHMI DEEPIKA (17H75A8406)

Under the Esteemed Guidance of Mr. D. RAHUL, M.S., Assistant Professor

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology

Approved by AICTE & Permanently Affiliated to INTUK, Kakinala) Kanchikacherla - 521180, Kristara Dist, A.P., India. Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 E-mail: dwfnanic@mietech.ac.in, Website: www.mietech.ac.in 2019-2020





MIC College of Technology Approved by AICTE & Permaneretly Affiliated to JNTUK, Kakinadaj Kanchikacharla - 521180, Kristhas Dist, A.P. India. Phone: 98678 - 273535, 273623, Fax: 08678 - 273569 E mail: dwthemici@mictuch.ac.in, Website: www.mictech.ac.in 2019-2020

Devineni Venkata Ramana &Dr. Hima Sekhar



## CERTIFICATE

This is to certify that the Main Project entitled "VHDL IMPLEMENTATION OF PROGRAMMABLE DIRECT FREQUENCY SYNTHESIZER FOR DIGITAL COMMUNICATION APPLICATIONS" is a bonafide work carried out by S.LAKSHMI DEEPIKA (17H75A0406) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mr. D. RAHUL) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

CBRO

(Dr. Y.SudheerBabu) Principal

Examiner 1



#### "STRADDLING BUS"

project report Submitted to jawaharlal nehru technological university kakinada in partial fulfillment for the award of the degree of

#### BACHELOR OF TECHNOLOGY IN. ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

T. RAJESWARI (17H75A0415)

M.V.VISHNU SAI (16H71A04A8)

G. SAI KEERTHANA (16H71A8435)

MIC

Sk. SADIO

(16H71A04E0)

Under the Esteemed Guidance of

Ms. Ch. HARIKA, M.Tech., Assistant Professor

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr.HimaSekhar



College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Kanchikacherlu - 521180, Krishna Dist, A.P., India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E muil: dyrhamic@mictoch.ac.in, Webuite: www.mictoch.ac.in 2019-2020





Devineni Venkata Ramana & Dr.HimaSekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Kristna Dist, A.P., India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dwftamic@mictech.ac.in, Website: www.mictech.ac.in



## CERTIFICATE

This is to certify that the Main Project entitled "STRADDLING BUS" is a bonafide work carried out by T. RAJESWARI (17H75A0415), M. VENKATA VISHNU SAI (16H71A04A8), G. SAI KEERTHANA (16H71A0435), Sk. SADIQ (16H71A04E0) in partial fulfillment for the Award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawahartal Nehru Technological University Kakinada during the year 2019-20.

(Ms. Ch. HARIKA) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

(Dr. Y. Sudheer Babu)

Principal

xaminer



#### "ARM BASED SMART BOAT"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

#### BACHELOR OF TECHNOLOGY

in

### ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

S. AMRUTHA	(16H71A04B2)	M. ALEKHYA	(16H71A04BJ)
K. ACHYUTH REDDY	(17H75A0402)	CH. MOHAN SAI KRISHNA	(16H71A0479)

Under the Esteemed Guidance of Mrs. M. MANASA LAKSHMI, M.Tech., Assistant Professor

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr.Hima Sekhar



MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakimada) Kanchikacherla - 521180, Krishna Dist, A.P. India. Phone : 08678 - 273535, 273623, Pac: 08678 - 273569 E mail: dvrtamic@mictech.at.in, Website: www.mictech.at.in 2019-2020



With Grade A



Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist, A.P., Iaola. Phone : 08678 - 272535, 273623, Fax: 08678 - 273509 E mail: dvthamic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020



## **CERTIFICATE**

This is to certify that the Main Project entitled "ARM BASED SMART BOAT" is a bonafide work carried out by S. AMRUTHA (16H71A04B2), M. ALEKHYA (16H71A04B1), K. ACHYUTH REDDY (17H75A0402) and CH. MOHAN SAI KRISHNA (16H71A0479) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawahartal Nehru Technological University Kakinada during the year 2019-20.

(Mrs. M. Manasa Lakshmi) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

(Dr. Y. Sudheer Babu) Principal

Examiner 1



## "LOW COST FAIR GO MULTIPATH ROUTING PROTOCOL IN WIRELESS SENSOR NETWORKS"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfilment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS&COMMUNICATION ENGINEERING

Submitted by

T.RAJA SEKHAR REDDY (16H71A0430)

P.SIVA SATISH KUMAR (16H71A0441)

T.SARADHI (16H71A04E6)

T.VIJAY KUMAR (16H71A04G0)

## Under the Esteemed Guidance of Mr. RAJKUMAR JAISWAL, M.Tech, Assistant Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



DevineniVenkataRamana&Dr.HimaSekhar

MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Kaschikacherla - 521180, Krishna Dist, A.P., India. Phone: 08678 - 273535, 273623, Fac: 08678 - 273569 E mail: dorhamic@microch.ac.in, Website: www.mictech.ac.in 2019-2020





MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist, A.P., India. Phone : 08678 - 273555, 273623, Fas: 08678 - 273569 E mail: dvrbsmic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020

DevineniVenkataRamana&Dr.HimaSekhar



### CERTIFICATE

This is to certify that the Main Project entitled "LOW COST FAIR GO MULTIPATH ROUTING PROTOCOL IN WIRELESS SENSOR NETWORKS" is a bonafide work carried out by T. Raja Sekhar Reddy (16H71A0430), P. Siva Satish Kumar (16H71A0441), T.Saradhi (16H71A04E6), T. Vijay Kumar (16H71A04G0) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharial Nehru Technological University Kakinada during the year 2019-20.

(Mr. Rajkumar Jaiswal) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

(SSL C

(Dr. Y. Sudheer Babu) Principal

Examiner 1



# "AN UNMANNED MULTIPURPOSE ROBOT FOR MILITARY USING CAMOUFLAGE TECHNIQUE"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY In ELECTRONICS&COMMUNICATION ENGINEERING

Submitted by

N. V. L. PAVITRA (16H71A0451)

P. NANDA GOPAL (17H75A0413)

V. SAI BHAVYA (16H71A04E1)

A. SESHA SAI JAGANNATH (16H71A0439)

Under the Esteemed Guidance of Mrs. B. ANITHA, M.Tech., Assistant Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DevineniVenkataRamana&Dr.HimaSekhar
MIC College of Technology



(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacheria - S21180, Krishna Dist, A.P. India. Phone : 08578 - 273535, 273623, Fax: 08678 - 273569 E-mail: dwhanic@mictoch.ac.in, Website: www.mictoch.ac.in 2019-2020



As 160 POLLIBIA Longitud Verbiate DevineniVenkataRamana&Dr.HimaSekhar

MIC College of Technology

Kanchikacherla - 521180, Kristna Din, A.P., India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhsreic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020



## CERTIFICATE

This is to certify that, the Main Project entitled "AN UNMANNED MULTIPURPOSE ROBOT FOR MILITARY USING CAMOUFLAGE TECHNIQUE" is a bonafide work carried out by N. V. L. PAVITHRA (16H71A0451), P. NANDA GOPAL (17H75A0413), V.SAI BHAVYA (16H71A04E1) and A. SESHA SAI JAGANNATH (16H71A0439) in partial fulfillment for the award of degree of Bachelor of Technology in Electronies and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mrs. B. Anitha) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

202 (Dr. Y. SudheerBabu)

Principal

Examiner 1



## "SMART BLIND STICK FOR VISUALLY IMPAIRED"

Submitted to

Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

R. Amulya (16H71A04B3)

V. Hema (16H71A04C3)

K. Sampath (16H71A04E5)

K. Naveen (16H71A0482)

Under the Esteemed Guidance of Dr. Savitesh Madhulika Sharma, M.Tech, Ph.D Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar

MIC College of Technology (Approved by AICTE & Permasently Affiliated to INTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist, A.P. ladia. Phone : 08678 - 273535, 273623, Fax: (8678 - 273569 E mail: dvrbsmic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakirashi) Karchikacherla - 521180, Krishna Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhunic@mictech.ac.in, Website: www.mictech.ac.in



### CERTIFICATE

2019-2020

This is to certify that the Main Project entitled "Smart Blind Stick For Visually Impaired" is a bonafide work carried out by R.Amulya(16H71A04B3), K.Sampath (16H71A04E5), V.Hema(16H71A04C3), K.Naveen (16H71A0482) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawahartal Nehru Technological University Kakinada during the year 2019-20.

(Dr. Savitesh M Sharma) Project Supervisor (Dr. Goutam Kumar Gupta) Head of the Department

SSR S (Dr. Y. Sudheer Babu)

Principal

Examiner 1



## "Zone Warning System for Driver"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

V Naga Pranavi (16H71A0423) V Gopi (16H71A0468)

T Jyothi (16H71A0416) M Omkar (16H71A0425)

Under the Esteemed Guidance of Dr. Savitesh M Sharma, M.Tech, Ph.D, IIT-Roorkee., Associate Professor

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramann & Dr. Hima Sekhar

MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist., A.P. India. Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhsmic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020





MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist., A.P., India. Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhsnic@mictech.ac.in 2019-2020

Devineni Venkata Ramana & Dr. Hima Sekhar



## CERTIFICATE

This is to certify that the Main Project entitled "Zone Warning System for Driver" is a bonafide work carried out by V Naga Pranavi (16H71A0423), T Jyothi (16H71A0416), V Gopi (16H71A0468), M Omkar (16H71A0425) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Dr. Savitesh M Sharma) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

(Dr. Y. Sudheer Babu)

Principal

Examiner



## "AUTOMATED GLAUCOMA DIAGNOSIS USING NEURAL NETWORKS"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS&COMMUNICATION ENGINEERING

Submitted by

Sai Ram Mulpuru (16H71A04E4)

Yuya Vardhini Tadikonda (16H71A0455)

Srujana Bapanapalli (16H71A04A2)

Pavan Kumar Teegala (16H71A0484)

Under the Esteemed Guidance of Mr. Ch Lakshmana, M.Tech, Assistant Professor

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DevineniVenkataRamana&Dr.HimaSekhar



MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakkada) Kanchikacheria - 521180, Krishaa Dist, A.P., India. Phone: 08678 - 273535, 273623, Pac. 08678 - 273569 E mail: dwfamic@mictech.ac.in 2019-2020







#### CERTIFICATE

This is to certify that the Main Project entitled "AUTOMATED GLUACOMA DIAGNOSIS USING NEURAL NETWORKS" is a bonafide work carried out by Sai Ram Mulpuru (16H71A04E4), Yuya Vardhini Tadikonda (16H71A0455), Srujana Bapanapalli (16H71A04A2) and Payan Kumar Teegala (16H71A0484) in partial fulfillment for the award of degree of Bachesor of Technology in Electronics and Communication Engineering of Jawaharlal Nehra Technological University Kakinada during the year 2019-20.

(Mr Ch Lakshmana) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

CESSE S

(Dr. Y.SudheerBabu) Principal

Examiner 1



### "FARMBOT USING ARDUINO"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

#### Submitted by

CH. Hasmitha (16H71A04C2)

CH. Dileep Siva Sai (16H71A0410)

A.Sai Krishna (16H71A0432)

M. Swetha (16)

(16H71A04A4)

Under the Esteemed Guidance of Mr. CH. LAKSHMANA, M.Tech Assistant professor

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permasently Affiliated to JNTUK, Kakinada) Karchikacheria - 521180, Krishna Dist, A.P. India. Phone: 08678 - 273535, 273623, Pac. 08678 - 273569 E mail: dvrhamic@micrech.ac.in, Website: www.micrech.ac.in 2019-2020





MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherita - 521180, Kristera Dist, A.P. India. Pissee : 08678 - 273555, 273623, Fax: 08678 - 273569 E mail: dvrhsmic@mictech.ac.ia, Website: www.mictech.ac.in 2019-2020

Devineni Venkata Ramana & Dr.Hima Sekhar



### CERTIFICATE

This is to certify that the Main Project entitled "FARMBOT USING ARDUINO" is a bonafide work carried out by CH. Hasmitha (16H71A04C2), CH. Dileep Siva Sai (16H71A0410), A.Sai Krishna (16H71A0432), M. Swetha (16H71A04A4) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mr. CH. Lakshmana) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

(Dr. Y. Sudheer Babu)

Principal

Examiner



## "AUTOMATIC FABRIC DEFECT DETECTION SYSTEM USING IMAGE PROCESSING"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

V. Vasavi Durga

(16H71A0450)

MD. Ummar (16H71A04F5)

N. Naganjani Harichandana (17H75A0411)

M. Venu (16H71A04F9)

Under the Esteemed Guidance of Mr. D. Rahul, M.S Assistant professor

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Kristna Dist, A.P. India. Phone : 08678 - 273535, 273623, Pac. 08678 - 273509 E mail: dvrhamic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakanada) Kanchikacherla - 521180, Keisten Dist, A.P. Iodia. Phone : 08678 - 273552, 273623, Fax: 08678 - 273569 E-mail: dortonic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020



## CERTIFICATE

1000 - 100

This is to certify that the Main Project entitled "Automatic Fabric Defect Detection System Using Image Processing" is a bonafide work carried out by V.Vasavi Durga (16H71A0450), MD. Ummar (16H71A04F5), N. Naganjani Harichandana (17H75A0411), M. Venu (16H71A04F9) in partial faltiliment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawahartal Nehru Technological University Kakinada during the year 2019-20.

(Mr. K. Thirupathi Rao) Project Supervisor (Dr. Goutam Kumar Gupta) Head of the Department

CST

(Dr. Y. Sudheer Babu)

Principal



## "MODERN WAY OF CLASSIFICATION AND QUALITY CHECKING OF RICE GRAINS "

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

B. Revanth kumar (16H71A04D8)

P.Yoga bhargavi (16H71A04B0)

G.Vamsi krishna (16H71A04A6)

V.Lalitha (16H71A0476)

Under the Esteemed Guidance of Mr. D. RAHUL, M.S. Assistant professor

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar

MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherts - 521180, Krishan Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvthamicigimictrch.ac.in, Website: www.mictech.ac.in 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakizada) Katschikacheria - 521110, Kristna Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhomic@mietech.ac.in, Website: www.mietech.ac.in 2019-2020



## CERTIFICATE

This is to certify that the Main Project entitled "Modern way of classification and quality checking of rice grains" is a bonafide work carried out by B.Revanth kumar (16H71A04D8), P. Yoga Bhargavi (16H71A04B0), G.Vamsi krishna(16H71A04A6), V.Lalitha (16H71A0476) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawahartal Nehru Technological University Kakinada during the year 2019-20.

(Mr. D.RAHUL) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

(Dr. Y. Sudheer Babu) Principal

xaminer J



## "IMPULSE NOISE REDUCTION USING MODIFIED MEDIAN FILTER BASED ON DIRECTION INDEX"

Submitted to

Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

#### BACHELOR OF TECHNOLOGY

In

### ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

P.TEJASWINI

(16H71A0448)

K. HARIKA (17H75A0404)

P.DURGA VENKATESH (16H71A04B8)

Y.SAI HARI (16H71A0489)

Under the Esteemed Guidance of Mrs. Y. SRUTHI, M.Tech., Assistant Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology

(Approved by AKTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhamio@micrech.ac.in, Website: www.mittech.ac.in 2019-2020



DVR & Dr. HS MIC College of Technology



Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by ANCTE & Permanently Affiliated to INTUK, Kakinada) Kanchikacherla - 521180, Kristra Din, A.P. India.

Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dwftsmic@mictech.ac.in, Webske: www.mictech.ac.in 2019-2020



## CERTIFICATE

This is to certify that the Main Project entitled "IMPULSE NOISE REDUCTION USING MODIFIED MEDIAN FILTER BASED ON DIRECTION INDEX METHOD" is a bonafide work carried out by P.TEJASWINI (16H71A0448), K.HARIKA (17H75A0404), P.DURGA VENKATESH (16H71A04B8) and Y.SAI HARI (16H71A0489) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharfal Nehra Technological University Kakinada during the year 2019-20.

(Mrs. Y. Sruthi) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

SSC S

(Dr. Y. Sudheer Babu) Principal

Examiner 1



#### Signature Verification System

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

CH.Venkateswarlu(17H75A0416)

V.Balarama Krishna Chowdary(16H75A0457) M.HimaBindhu(16H71A04C4)

Under the Esteemed Guidance of Mrs. Y. Sruthi, M.Tech., Assistant Professor

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar

MIC College of Technology (Approved by AICTE & Permaneerly Affiliated to INTUK, Kakinada) Kanchikacherla - 521180, Krishaa Dist, A.P., India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhumic@mictech.ac.in 2019-2020







## CERTIFICATE

ALL MARTIN

1.1.1

This is to certify that the Main Project entitled "Signature Verification System" is a bonafide work carried out by T.Ramya (16H7IA04D7) ,V.Balarama Krishna Chowdary (16H7IA0457), CH.Venkateswarlu(17H75A0416), M.HimaBindhu(16H7IA04C4) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mrs. Y. Sruthi) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

CASE

(Dr. Y. Sudheer Babu)

Principal



## "IMPULSE NOISE REDUCTION USING MODIFIED MEDIAN FILTER BASED ON DIRECTION INDEX\*

Submitted to

Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY

In

# ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

**P.TEJASWINI** 

K. HARIKA (17H75A0404) Y.SAI HARI (16H71A0489)

P.DURGA VENKATESH (16H71A04B8)

(16H71A0448)

Under the Esteemed Guidance of Mrs. Y. SRUTHI, M.Tech., Assistant Professor DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology

(Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist, A.P., India, Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhanic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020



DVR & Dr. HS MIC College of Technology

Impulse Noise Roduction using Modified Median Filter based on Direction Index



Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Karchikacherta - 521180, Krishna Diat, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569

Phone : 03678 - 273535, 273623, Fax: 08678 - 273569 E-mail: dvrhsmic@mictech.ac.in, Website: www.midtech.ac.in 2019-2020



## CERTIFICATE

This is to certify that the Main Project entitled "IMPULSE NOISE REDUCTION USING MODIFIED MEDIAN FILTER BASED ON DIRECTION INDEX METHOD" is a bonafide work carried out by P.TEJASWINI (IGH7IA0448), K.HARIKA (17H75A0404), P.DURGA VENKATESH (IGH7IA04B8) and Y.SAI HARI (IGH7IA0489) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mrs. Y. Sruthi) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

(Dr. Y. Sudheer Babu) Principal

Examiner

Examiner 2

DVR & Dr. HS MIC College of Technology


### "AN APPROACH FOR MRI IMAGE FUSION USING DT-CWT AND DETECTING TUMOR USING SVM"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

T. V. L. KALYANI (16H71A04A7)

M. ABDUL ALEEM BAIG (16H71A0401)

K. SRINU

(16H71A04A1)

B. CHAITANYA

(16H71A0460)

Under the Esteemed Guidance of Mr. L. TIRU GANESH, M.Tech, Assistant Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr.Hima Sekhar

MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Karchikacherla - 521180, Kristna Dist, A.P., India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dorhumic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Krishea Dist, A.P. India. Phone : 48678 - 273515, 273623, Fax: 08678 - 273569 U mail: dvrtamic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020



#### **CERTIFICATE**

This is to certify that the Main Project entitled "AN APPROACH FOR MRI IMAGE FUSION USING DT-CWT AND DETECTING TUMOR USING SVM" is a bonafide work carried out by T.V.L. KALYANI (16H71A04A7), M. ABDUL ALEEM BAIG (16H71A0401), K. SRINU (16H71A04A1) and B. CHAITANYA (16H71A0460) in partial fulfillment for the award of degree of Hachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

ALC: NO

(Mr. L. Tiru Ganesh) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

CASE

(Dr. Y. Sudheer Babu) Principal

Examiner 1



#### "CARDIAC SENTINEL"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY in ELECTRONICS&COMMUNICATION ENGINEERING

Submitted by

A. SIREESHA (16H71A0498)

P. RAHUL PRIYADARSANA (16H71A0429)

SK. DILAWAR PASHA (16H71A0464)

M. HYNDAVI(16H71A0471)

### Under the Esteemed Guidance of Mr. L. TIRU GANESH, M. Tech, Assistant Professor

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr.Hima Sekhar



MIC College of Technology (Approved by AICTE & Permaneredy Affiliated to INTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist, A.P., India. Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dertomic@mietech.ac.in, Website: www.mietech.ac.in 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology

(Approved by AICTE & Percencently Affiliated to JNTUK, Kakinada) Karohikacherla - 521180, Krishna Dist, A.P., India. Phone : 98678 - 273535, 273623, Fax: 98678 - 273569 E-mail: dwfsamic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020



#### CERTIFICATE

This is to certify that the main Project entitled as "CARDIAC SENTINEL" is a bona-fide work carried out by A. SIREESHA (16H71A0498), SK. DILAWAR PASHA (16H71A0464), P.RAHUL PRIYADARSANA (16H71A0429) and M. HYNDAVI (16H71A0471) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

10110103

(Mr. L. Tiru Ganesh) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

CESE O

(Dr. Y. Sudheer Babu) Principal

Examiner 1



### "DETECTION OF DIABETIC RETINOPATHY USING RETINAL IMAGES"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

G.KAVYA (16H71A04C1)

T.SAI KIRANMAI (16H71A0490)

G. PAVAN KALYAN (16H71A04D2)

J. SURAJ ISSAC (16H71A04F1)

Under the Esteemed Guidance of Mrs. S. RAMA DEVI, M. Tech, Assistant Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar

MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Kriahna Dist, A.P., Iadia. Phone: 08678 - 273535, 273623, Fac: 08678 - 273569 E-mail: dvrhamicijimietech.ac.in, Website: www.mictech.ac.in 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakirada) Kanebikacheria - 521180, Keishna Dist, A.P. India.

Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dwhamic@mictoch.ac.in, Website: www.mictoch.ac.in 2019-2020



#### CERTIFICATE

This is to certify that the Main Project entitled "ENHANCED DETECTION OF DIABETIC RETINOPATHY USING ADVANCED FILTERS" is a bonafide work carried out by G. KAVVA (16H71A04C5), T. SAI KIRANMAI (16H71A0490), G. PAVAN KALYAN (16H71A04D2) and J. SURAJ ISSAC (16H71A04F1) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mrs. S. Rama Devi) Project Supervisor

(Dr. Goutam Kumar Gupta)

Head of the Department

CESSE A

(Dr. Y. Sudheer Babu) Principal

Examiner 3



# "DETERMINATION OF DESIGN PARAMETERS OF MICROSTRIP PATCH ANTENNA USING ARTIFICIAL NEURAL NETWORK"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS&COMMUNICATION ENGINEERING

Submitted by

SRI RAM SUNDEEP KUMAR. Y (16H71A04E9)

MALYADRL J (16H71A0419)

CHETHAN, P

(16H71A0408)

SAI NIKHIL, A (16H71A0492)

Under the Esteemed Guidance of Mrs. S. RAMADEVI, M.Tech, Assistant Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr. Hima Sekhar

MIC College of Technology (Approved by AICTE & Permacently Affiliated to INTUK, Kakinado) Karchikacherle - 521180, Krishna Dist, A.P., India, Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 I mail: dvthanic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020





Devineni Venkata Ramana &Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Karchikacheta - 521180, Krishra Dist, A.P. India. Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvtharric@mictoch.ac.in, Website: www.mictoch.ac.in 2019-2020



## CERTIFICATE

This is to certify that the Main Project entitled "DETERMINATION OF DESIGN PARAMETERS OF MICROSTRIP PATCH ANTENNA USING ARTIFICIAL NEURAL NETWORK" is a bonafide work carried out by SRI RAM SUNDEEP KUMAR Y(16H71A04E9), MALYADRI J(16H71A0419), CHETHAN P(16H71A0408) and SAI NIKHIL. A(16H71A0492) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(CHERD)

(Mrs. S. Ramadevi) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

CAR -

(Dr. Y. Sudheer Babu) Principal

Examiner 1



# "Women Security System Using IOT"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

# BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

Y. GEETHA (16H71A0467)

R. TEJASWINI (16H71A04F4)

D. SIVA NAGA KRISHNA (16H71A0440)

Y. N. V. SURYA CHAITANYA (17H75A0410)

Under the Esteemed Guidance of Mr. B. Y. GOPINATH, M. Tech., Assistance Professor

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr.Hima Sekhar



H.

MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakimako) Karchikacherla - 521180, Krishna Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E-mail: dynhumic@inictech.ac.in, Website: www.mictech.ac.in 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to INTUK, Kakirade) Kaschikacheria - 521180, Kristma Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dwfamic@mictech.ac.in, Website: www.mictech.ac.in

2019-2020

### CERTIFICATE

This is to certify that the Main Project entitled "Women Security System Using IOT" is a bonafide work carried out by Y. GEETHA (16H71A04), R. TEJASWINI (16H71A04F4), D. SIVA NAGA KRISHNA (16H71A0440) and Y. N. V. SURYA CHAITANYA (17H75A0410) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mr. B. Y. Gopinath) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

NBA-Accredited

8.Tech (CSE NCE) SEE [ME]

Grade

AA ISO 1000.30

tiffed feet

CESE

(Dr. Y. Sudheer Babu) Principal

Examiner



### "WIRELESS SURVELLIANCE ROBOT WITH MOTION DETECTION AND LIVE VIDEO TRANSMISSION AND GAS DETECTION"

Submitted to

Jawaharial Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY In ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

S. SHANMUKHA(16H71A0496)

K. PREETHI CHANDANA(16H71A0428)

B. SRINITHA (16H71A04A0)

S. VENKATESH

(16H71A04F7)

Under the Esteemed Guidance of Mr. B. YOGI GOPINATH ,M.Tech., Assistant Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr.Hima Sekhar



MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanehikacherla - 521180, Krishna Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dynumic@mictoch.ac.in, Website: www.mictoch.ac.in 2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar

# MIC College of Technology

(Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Kanchikascherta - S21180, Krishan Diet, A.P. India. Phone : 08678 - 273535, 273623, Fao: 08678 - 273569 E mail: dwthanio@mietech.ac.in, Website: www.mictech.ac.in 2019-2020



### CERTIFICATE

This is to certify that the Main Project entitled "WIRELESS SURVELLIANCE ROBOT WITH MOTION DETECTION AND LIVE VIDEO TRANSMISSION AND GAS DETECTION" is a bonafide work carried out by S. SHANMUKHA (16H71A0496), K. PREETHI CHANDANA (16H71A0428), B. SRINITHA (16H71A04A0) and S. VENKATESH (16H71A04F7) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

rath

(Mr. B. YOGI GOPINATH) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

CBR O

(Dr. Y. Sudheer Babu) Principal

Examiner 1



### "CAR BLACK BOX SYSTEM"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

G. TEJASWI (16H71A0F3)

G. SAI MADHURI(16H71A04E3)

D. TEJASRI(16H71A0447)

M. SRILEKHA (16H71A0443)

Under the Esteemed Guidance of Mr.B.Radha Krishna Singh, M.Tech, MIE, DCHE.., Associate Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DevineniVenkataRamana&Dr.HimaSekhar



MIC College of Technology (Approved by AICTE & Permasserely Affiliated to JNTUK, Katkinada) Kanchikacherla - 521180, Krishna Dist, A.P., India. Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhsniecijenictech.ac.in, Website: www.microch.ac.in 2019-2020





DevineniVenkataRamana&Dr.HimaSekhar

MIC College of Technology

(Approved by AICTE & Permanently Affiliated to INTUK, Kakinada) Kawchikacherla - 521180, Krishna Dist, A.P. India. Phone : 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dwfnmio@mictech.ac.in, Webnite: www.mictech.ac.in 2019-2020



#### CERTIFICATE

This is to certify that the Main Project entitled "CAR BLACK BOX SYSTEM" is a bonafide work carried out by G. TEJASWI (16H71A04F3), G. SAI MADHURI (16H71A04E3), D. TEJASRI (16H71A0447) and M. SRILEKHA (16H71A0443) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mr.B. Radha Krishna Singh)

**Project Supervisor** 

(Dr. Goutam KumarGupta) Head of the Department

(Dr. Y. SudheerBabu) Principal

Examiner



# "HARDWARE SOFTWARE CODESIGN FOR FRUITFUL SURVEIL OF AQUATIC RESOURSE"

Submitted to

Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

## BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

A S R Ruthvik V (16H71A0456)

Hemani Jyothi K

(16H71A0414)

Chandana Ch (16H71A0461)

Sri Swetha Hrudaya Raj B (16H71A0499)

Under the Esteemed Guidance of Mr. B. RADHA KRISHNA SINGH, M.Tech, MIE, DCHE., Associate Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Devineni Venkata Ramana & Dr. Hima Sekhar

MIC College of Technology

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Krishna Dist., A.P., India. Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhsmic@mictech.ac.in, Website: www.mictech.ac.in 2019-2020





# Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)

Kanchikacherla - 521180, Krishna Dist, A.P. India. Phone: 08678 - 273535, 273623, Fax: 08678 - 273569 E mail: dvrhsmie@mictech.ac.in, Website: www.mictech.ac.in 2019 - 2020



### **CERTIFICATE**

and they

This is to certify that the Main Project entitled with "HARDWARE SOFTWARE CODESIGN FOR FRUITFUL SURVEIL OF AQUATIC RESOURSE" is a bonafide work carried out by A S R Ruthvik V (16H71A0456), Hemani Jyothi K (16H71A0414), Chandana Ch (16H71A0461), Sri Swetha Hrudaya Raj B (16H71A0499) in partial fulfillment for the award-of-degree of Bachelor of Technology in Electronics and Communication Engineering of Jawahartal Nehru Technological University Kakinada during the year 2019-20.

(Mr. B. Radha Krishna Singh) Project Supervisor

(Dr. Goutam Kumar Gupta) Head of the Department

(Dr. Y. Sudheer Babu)

Principal

Examiner



#### "CAR BLACK BOX SYSTEM"

Submitted to Jawaharlal Nehru Technological University Kakinada in partial falfillment for the award of the degree of

### BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

G. TEJASWI (16H71A0F3)

G. SAI MADHURI(16H71A04E3)

D. TEJASRI(16H71A0447)

M. SRILEKHA (16H71A0443)

Under the Esteemed Guidance of Mr.B.Radha Krishna Singh, M.Tech, MIE, DCHE.., Associate Professor

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



DevineniVenkataRamana&Dr.HimaSekhar

MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada) Kanchikacherla - 521180, Krishra Dist, A.P. India. Phone: 08678 - 273535, 273623, Fac: 08678 - 273569

E mail: dvehonic@mietech.ac.in, Website: www.mietech.ac.in 2019-2020



An itig tout in a contribution in a factor MIC College of Technology (Approved by AICTE & Permanently Affiliated to JNTUK, Kakimada) Kanchikacheria - 521180, Krishna Diot, A.P., India. Phone : 08678 - 273535, 273623, Fac: 08678 - 273569 E-mail: driftsmiciginictech.ac.in, Website: www.mictech.ac.in 2019-2020

DevineniVenkataRamana&Dr.HimaSekhar



#### CERTIFICATE

This is to certify that the Main Project entitled "CAR BLACK BOX SYSTEM" is a bonafide work carried out by G. TEJASWI (16H71A04F3), G. SAI MADHURI (16H71A04E3), D. TEJASRI (16H71A0447) and M. SRILEKHA (16H71A0443) in partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019/20.

APR NO.

(Mr.B. Radha Krishna Singh)

**Project Supervisor** 

(Dr. Goutam KumarGupta) Head of the Department

SE

(Dr. Y. SudheerBabu) Principal



# **SMART BLIND STICK**

A project report Submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the Award of the degree of

## BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING

By

VASAVI .M (16H71A0556) RISHITHA.S(16H71A0538) LAKSHMI DURGA.M (16H71A0520) PRABHU KIRAN.CH(16H71A0527)

Under the Esteemed Guidance of Ms.M.MADHAVI ASSISTANT PROFESSOR

## **Department of Computer Science & Engineering**



Devineni Venkata Ramana & Dr Hima Sekhar MIC College of Technology



Accredited by NBA: EEE/ME/CSE/ECE & NAAC with 'A' Grade Kanchikacherla - 521180, Krishna Dist. A.P.





Accredited by NBA: EEE|ME|CSE|ECE & NAAC with 'A' Grade Kanchikacherla - 521180, Krishna Dist. A.P.

## **CERTIFICATE**

This is to certify that the project report entitled "SMART BLIND STICK" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Computer Science & Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by VASAVI .M (16H71A0556), LAKSHMI DURGA .M(16H71A0520), RISHITHA .S(16H71A0638),PRABHU KIRAN.CH (16H71A0527) under my guidance during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Ms.M.MADHAVI (Guide Name) L.KANYA KUMARI (Head of the Department)

Examiner

Dr. Y. SUDHEER BABU (Principal)

### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY Kakinada



# PROGUARD DETECTING MALICIOUS ACCOUNTS IN SOCIAL NETWORK BASED ONLINE PROMOTIONS

A Project Report submitted to

Jawaharlal Nehru Technological University Kakinada

in partial fulfilment of the requirements for the award of the degree of

**BACHELOR OF TECHNOLOGY** 

IN

COMPUTER SCIENCE AND ENGINEERING.

By

R. SANJANA (16H71A05A2)

G. HARIKA (16H71A0576)

K. USHA MADHURI (16H71A05A9) T. PAVAN KUMAR REDDY (16H71A0590)

\_\_\_\_\_

Under the Guidance of

Ms. Ch. Sabitha

Assistant Professor

#### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING





Approved by AICTE, Permanently ABBland to JNTUK, Koknada J BO 9001,2013 Centrol NBA Accredited (N. Tech-CSEE)CE/NECH J NAAC Accredited with 'A' Grade Kanchikacherta-S21100, Krishna Dist., A.P., India, Phone: 00078-273535, 273623, Euc. 00078-273589



Approved by AICTE, Permanently Alfiliated to INTUK, Kakinada (18O 9001/2015 Certified NBA Accredited (B.Tech-CSE/ECE/MECH | NAAC Accredited with 'A' Grade Katchikacheria-521180, Krishna Dist., A.P., India. Phone: 08078-273535, 273623, Fas: 08678-273569

### CERTIFICATE

This is to certify that the project work entitled "PROGUARD DETECTING MALICIOUS **ACCOUNTS** IN SOCIAL **NETWORK** BASED ONLINE **PROMOTIONS**" is a bonafide work carried out by Ms. SANJANA. R (16H71A05A2), Ms. HARIKA. G (16H71A0576), Ms. USHA MADHURI. K (16H71A05A9), Mr. PAVAN KUMAR REDDY. T (16H71A0590) in partial 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 2019-2020. It is certified that all corrections/ suggestions indicated for 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.

Ms. Ch. Sabitha

(Project Guide)

Ms. L. Kanya Kumari

(Head of the Department)

Dr. Y. Sudheer Babu

(Examiner)

(Principal)

### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY Kakinada



## **INVENTORY MANAGEMENT SYSTEM**

A Project Report submitted to

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment of the requirements for the award of the degree of

### **BACHELOR OF TECHNOLOGY**

IN

#### COMPUTER SCIENCE AND ENGINEERING.

By

T. Thanmayee (16H71A05A8)

R. Preethi (16H71A0593)

B. Kundana (16H71A0582)

G. Gopi Sai Kiran (16H71A0574)

Under the Guidance of

Ms R Srilakshmi Assistant Professor

#### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING





Approval by AKTE, Permanently Allihated to INTUK, Kakinada UMO 9901 2013 Certificat NBA Accordated (B.Tash-CSE/DCE/MECH) NAAC Accordated with 'A' Grade Kanchikacherle-521180, Krisbna Due, A.P., India: Phone: 08678-273555, 273623, Fax: 08678-273559



### Kanchikacherla 521140, Krishna Dist., A.P., India, Phone: 08078-273555, 273623, Fax: 08078-273540

### CERTIFICATE

This is to certify that the project work entitled "**Inventory Management System**" is a bonafied work carried out by Ms. THANMAYEE. T (16H71A05A8), Ms. PREETHI. R (16H71A0593), Ms. KUNDANA. B (16H71A0582), Mr. GOPI SAI KIRAN. G (16H71A0574) in 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 2019-2020. It is certified that all corrections/ suggestions indicated for 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.

(Ms. R. Srilaksmi)

(Ms. L. Kanya Kumari)

**Project Guide** 

Head of the Department

(Dr. Y. Sudheer Babu)

Examiner

Principal

#### Kakinada



## LEAVE MANAGEMENT SYSTEM

A project report Submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the Award of the degree of

### **BACHELOR OF TECHNOLOGY**

IN

### **COMPUTER SCIENCE & ENGINEERING**

By

Prathyusha Ch (16H71A0532)

Ramya G (16H71A0535)

Prasanth Kumar G (16H71A0531)

-Critical Invitigation

Kartheek M (16H71A0515)

Under the Guidance of Ms. L Kanya Kumari Assistant Professor Department of Computer Science & Engineering



Approval by AKTE, Permanently Alfiliated to JNDUK, Kakimala (100) 9901 2013 Contribut NRA Accordand (B.Tisch-CSE/DCE/MECH) NAAC Accordingl with 'A Grade Kanchikasherlo 5211180, Krishna Dini, A.P., Judia. Phone: 00675-273535, 273623, Fax: 00675-273509



Aggerved by AICTE, Permanently Affiliated to INTUK, Kaknuda (100 0001 2013 Centried NBA Accending) (II. Tech-CSE/ECE/MECH) NAAC Accending with 'A' Goale Karchikacherlo 521100, Krishna Dist., A.P., Isalia, Phone. 00079-277555, 272623, Fax: 00079-2775869

# **CERTIFICATE**

This is to certify that the project work entitled "LEAVE MANAGEMENT SYSTEM" is a bonafied work carried out by Ms. PRATHYUSHA Ch (16H71A0532), Mr. PRASANTH KUMAR G (16H71A0531), Ms. RAMYA G (16H71A0535), Mr. KARTHEEK M (16H71A0515) in 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 2019-2020. It is certified that all corrections/ suggestions indicated for 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.

**JDUSTRY** 10/05/11:4 L Kanya Kumari L. KANYA KUMARi

(Guide Name)

(Head of the Department)

Dr. Y. SUDHEER BABU

(Principal)



# AUTOMATED ATTENDANCE SYSTEM USING FACE RECOGNITION

A Project Report submitted to

### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

In partial fulfillment of the requirements for the award of the degree of

### **BACHELOR OF TECHNOLOGY**

IN

#### COMPUTER SCIENCE AND ENGINEERING.

By

S.LAVANYA(16H71A0583) P.RAMU(16H71A0595) MD.AYESHA FATHIMA(16H71A0567) SK.SANAVULLA(16H71A05A1)

Under the Esteemed Guidance of

Ms. CH. SABITHA KIRAN Assistant Professor

### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING





### **CERTIFICATE**

This is to certify that the project work entitled "AUTOMATED ATTENDANCE SYSTEM USING FACE RECOGNITION" is a bonafied work carried out by S.LAVANYA (16H71A0583), MD.AYESHA FATHIMA (16H71A0567), P.RAMU (16H71A0595), SK.SANAVULLA(16H71A05A1) in partial fulfillment for the award of the degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE AND ENGINEERING by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA during the year 2019-2020. It is certified that all corrections/ suggestions indicated for 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 said degree.

CH. SABITHA KIRAN Project Guide L. KANYA KUMARI Head of the Department

Dr. Y.SUDHEER BABU Principal



# DETECTION OF FAKE ONLINE REVIEWS USING RANDOM FOREST ALGORITHM

A project report Submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the Award of the degree of

### BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING By

HARIKA.M (16H71A0577) HARI BABU.T (16H71A0575) NARENDRA.G (16H71A0587) ARAVIND.M (16H71A0565)

Under the Esteemed Guidance of Mr. D VARUN PRASAD ASSOCIATE PROFESSOR

### **Department of Computer Science & Engineering**





Approved by AICTE, Permanently Affiliated as INTUK, Kakinala (180) 0001-2015 Certified NBA Accordined (B. Tuch-CSE/ECU/MECH (NAAC Accordined with 'A' Grade Kanshilon/herla 5211100, Krishna Dist., A.P., India, Phone: 08878-273335, 273023, Fot: 00078-273309





## **CERTIFICATE**

This is to certify that the project report entitled "DETECTION OF FAKE ONLINE REVIEWS USING RANDOM FOREST ALGORITHM" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Computer Science & Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by HARIKA.M (16H71A0577), NARENDRA.G (16H71A0587), HARI BABU.T (16H71A0675), ARAVIND.M (16H71A0564) under my guidance during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr. D.VARUN PRASAD (Guide Name) L.KANYA KUMARI (Head of the Department)

Examiner

Dr. Y. SUDHEER BABU (Principal)

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

**Kakinada** 



### SGD BASED MATRIX FACTORIZATION FOR RECOMMENDER SYSTEM

A Project Report submitted to

#### Jawaharlal Nehru Technological University Kakinada

in partial fulfillment of the requirements for the award of the degree of

### **BACHELOR OF**

### **TECHNOLOGY IN**

### **COMPUTER SCIENCE AND ENGINEERING.**

By

A. RAJA RANJITH KUMAR (16H71A05F0) B. SAI RAMYA (16H71A05F5)

S. JYOTHI PRIYANKA (16H71A05D8)

T. LAKSHMI ANJANI (16H71A05H7)

Under the Guidance of

Ms V Lakshmi Chetana Assistant Professor

### **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**





Kauchikacherla-521100; Krishas Dist., A.F., India. Phone: 08678-273535, 273623; Fas: 08678-273569



CERTIFICATE

Karubikacherla-521100, Krishna Doit., A.P., India. Phona: 69678-273533, 273623, Fax: 60078-273509

This is to certify that the project work entitled "SGD BASED MATRIX FACTORIZATION FOR RECOMMENDER SYSTEM" is a bonafied work carried out by Mr A.RAJA RANJITH KUMAR (16H71A05F0), Ms B.SAI RAMYA (16H71A05F5), Ms T. LAKSHMI ANJANI (16H71A05H7), Ms S. JYOTHI PRIYANKA (16H71A05D8) in 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 2019-2020. It is certified that all corrections/ suggestions indicated for 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 Department

Head of the

Examiner

Principal



# **TEXT PROCESSING THROUGH IMAGES**

A project report Submitted to the

# Jawaharlal Nehru Technological University Kakinada

in partial fulfillment of the requirements for the award of the degree of

# **BACHELOR OF TECHNOLOGY**

in

# **COMPUTER SCIENCE & ENGINEERING**

Submitted by

L.VENKATA RAMADEVI (16H71A05B4) V.SAI TEJA(16H71A05A0) B.SAIKIRAN(16H71A0599) P.VEMU(16H71A05B2)

Under the Esteemed Guidance of

# Mr. Y. BHARAT BHUSHAN

**Assistant Professor** 

# **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**





Accredited by NBA: EEE|ME|CSE|ECE & NAAC with 'A' Grade Kanchikacherla - 521180, Krishna Dist. A.P.





Accredited by NBA: EEE/ME/CSE/ECE & NAAC with "A' Grade Kanchikacherla - 521180, Krishna Dist. A.P.

# **CERTIFICATE**

This is to certify that the project work entitled "TEXT PROCESSING THROUGH IMAGES" is a bonafide work carried out by Ms. VENKATA RAMADEVI.L (16H71A05B4), Mr. SAI KIRAN (16H71A0592), Mr.SAI TEJA .V(16H71A05A0),Mr. VEMP.P (16H71A05B2) in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science & Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-2020. It is certified that all corrections and suggestions indicated for 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.

(Mr. Y. Bharat Bhushan)

(Ms. L. Kanya Kumari)

Project Guide

Head of the Department

(Dr. Y. Sudheer Babu)

Principal

**External Examiner** 

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

Kakinada



### STUDENT PERFORMANCE PREDICTION USING KNN & DECISION TREE

A Project Report submitted to

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment of the requirements for the award of the degree of

#### **BACHELOR OFTECHNOLOGY**

IN

**COMPUTER SCIENCE AND ENGINEERING** 

By

M. KOMALA (16H71A05E1) J. SRAVANI (16H71A05G0) G. VENKATA LAKSHMI (16H71A05H2) V. KISHORE KUMAR (16H71A05E0)

Under the Guidance of

Ms Parveen Pathan Assistant Professor

#### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING





Approved by AICHL Permanently Affiliated to INTUK, Kalanala (180 900) 2015 Certifical NBA Accordinal (IL Tech-CSE/DCT/MECH | NAAC According with '& Grade Kanchikacherla-521180, Krishna Dist., A.P., India. Phene: 08678-273535, 273623, Fax: 08678-273569



### CERTIFICATE

Karuhikacherla-521100, Krishna Dist., A.P., India. Phone: 08678-233535, 273623, Fax: 08678-273560

This is to certify that the project work entitled "STUDENT PERFORMANCE PREDICTION USING KNN & DECISION TREE" is a bonafide work carried out by Ms. Komala.M (16H71A05E1), Ms. Venkata Lakshmi.G (16H71A05H2), Ms. Sravani.J (16H71A05G0), Mr. Kishore Kumar.V (16H71A05E0) in 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 2019-2020. It is certified that all corrections/ suggestions indicated for 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

Examiner

Principal
# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

#### Kakinada



# **OBJECT DETECTION WITH YOLO V3**

A Project Report submitted to

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment of the requirements for the award of the degree of

#### **BACHELOR OF TECHNOLOGY**

IN

#### COMPUTER SCIENCE AND ENGINEERING.

By

S Chandana (17H75A0501)

R Tejaswi (16H71A05G6)

T Sudheer (16H71A05G2)

V Akhil(16H71A05C2)

Under the Guidance of

Mr. B. VENUGOPAL Asst.Professor DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING





Colling Institu-

Approved by AKTE, Permanently Allificated to INTUK, Kakinada J BO 9001 2015 Control NBA Accordinal (B.Tach CSE/ECE/MIICH J NAAC Accordinal with A Grade Kanchekacherle-521180, Krobna Dim., A.F., India. Phone: 08678-273535, 273623, Pag. 08671-273569

2019-20



Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada (JSO 9001 2013 Certified NBA Augredited (B. Tech-CSE/DCE/MECH) NAM: Accordined with 'A Goade Kandribacherla-521190, Keidens Disc, A.P., India, Phone: 08078-273555, 273623, Fer. 08078-273569

#### CERTIFICATE

This is to certify that the project work entitled "**OBJECT DETECTION WITH YOLO V3**" is a bonafied work carried out by Ms. CHANDANA.S (17H75A0501), Ms. TEJASWI.R (16H71A05G6), Mr. SUDHEER.T (16H71A05G2), Mr. AKHIL.V (16H71A05C2) in 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 2019-2020. It is certified that all corrections/ suggestions indicated for 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

Examiner

Principal

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

Kakinada



### COUNTING PEOPLE IN A VIDEO SURVEILLANCE USING OPENCV

A Project Report submitted to

#### Jawaharlal Nehru Technological University Kakinada

in partial fulfillment of the requirements for the award of the degree of

#### **BACHELOR OF**

#### **TECHNOLOGY IN**

#### COMPUTER SCIENCE AND ENGINEERING.

By

CH. JESHMA RANI (16H71A05D7)

P. CHAMUNDESWARI (16H71A05C8)

SK. KUDDUS (16H71A05E3)

B. SRI HARSHA (15H71A0545)

Under the Guidance of

Mr J Venkata Krishna Assistant Professor

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING** 





Approved by AICTL Permanently Affilianti to INTUK, Kalanala (15O 900) 2015 Certified NBA According (IL Tech-CSEDECT/MECH ) NAAC According with '& Grade Kanchikacherla-521180; Krishna Dist, A.P., India. Prene: 08678-273535, 273623; Fac: 08678-273569

2019-20



Approved by ARTE, Permanently Alliliated to INTUK, Kakinada (150 9001:2015 Certified NBA Accordined (B.Tech-CSE/DCE/MECH | NAAC Accordined with 'A' Gode Kaechilaetherto 521180, Krisikas Dan, A.P., Iraka. Phone: 98078-273505, 273623, Fas: 08078-273569

### CERTIFICATE

This is to certify that the project work entitled "COUNTING PEOPLE IN A VIDEO SURVEILLANCE USING OPENCV" is a bonafide work carried out by Ms CH. JESHMA RANI (16H71A05D7), Ms P. CHAMUNDESWARI (16H71A05C8), Mr SK. KUDDUS (16H71A05E3), Mr B. SRI HARSHA (15H71A0545) in 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 2019-2020. It is certified that all corrections/ suggestions indicated for 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.

MR. J. VENKATA KRISHNA (Project Guide) MS. L. KANYA KUMARI (Head of the Department)

(Examiner)

Dr. Y. SUDHEER BABU (Principal)

### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



# **CROP YIELD PREDICTION USING MACHINE LEARNING**

A project report Submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the Award of the degree of

# **BACHELOR OF TECHNOLOGY** IN **COMPUTER SCIENCE & ENGINEERING**

By

**PUJITHA. T (16H71A0594) TEJASWINI. D (16H71A05A6)** VENKATA KRISHNA. G (16H71A05B3) CHETHAN SAI. S (16H71A0572)

> Under the Esteemed Guidance of Mr. Md ELIAZ

# **Department of Computer Science & Engineering**





Accredited by NBA: EEEIME/CSE/ECE & NAAC with \*A' Grade Kanchikacherla - 521180, Krishna Dist. A.P.

2019-20



# **CERTIFICATE**

This is to certify that the project report entitled "CORP YIELD PREDICTION USING MACHINE LEARNING" being submitted for the partial fulfillment of the requirements for the award of degree in **Bachelor of Technology in Computer Science** & Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Pujitha.T(16H71A0594), Tejaswini.D(16H71A05A6), Venkata Krishna.G(16H71A05B3), Chethan Sai.S(16H71A0572) under my guidance during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. The work is not submitted to any other institution or university for the award of any degree.

Mr. Md ELIAZ (Guide Name) L.KANYA KUMARI (Head of the Department)

Examiner

Dr. Y. SUDHEER BABU (Principal)



Devineni Venkata Ramana & Dr.Hima Sekhar AUTONOMOUS MIC College of Technology (Approved by AICTE & Permanently Attiliated to INTLIK, Kakandro NBA-Accredited Accentional Inc. With Grade Ż

# DEPARTMENT OF COMPUTER APPLICATIONS MCA MAJOR PROJECTS LIST

Kanchikacherla - 521180, Kristen Dist, 8.9, Iraka.

Phone : 08078 - 273535, 273623, Fax: 08678 - 273568

a mail: dychanic/graineenh.ac.in, Website: www.mintech.ac.in

A.Y:2019-20

S.No	Reg. No	Name of the Student	Guide	PROJECT TITLE
DCA1	17H71F0001	Abdul Asiya Begum Sk	Dr. G. Kalyani	An Iterative Classification Scheme for Sanitizing Large- Scale Datasets
DCA2	17H71F0002	Bala Gopi R	Ms. M Madhavi	Secured Medical Data Sharing using Attributes Based Encryption
DCA3	17H71F0003	Bhavya Priyadarsini K	Ms. L Kanya Kumari	Online Banking Secure System with Software Puzzle
DCA4	17H71F0004	Durga M	Mr. K Mahanthi	Best Keyword Cover Search
DCA5	17H71F0005	Gopalakrishna T	Ms. V Srilakshmi	Enabling Public Veriafiability for Storage Security in Cloud Storage
DCA6	17H71F0006	Gopikrishna Y	Mr. P. Narasimha Rao	Privacy Protection Based Access Control Scheme in Cloud-Based Services
DCA7	17H71F0007	Gopinadh K.	Ms.K. Keerthi	Mining Competetors from Large Unstructured Datasets
DCA8	17H71F0008	Kalyan Kumar S	Mr. K. Swami	An Efficient Multi-Keyword search over Encrypted Cloud Data with Multiple Data Owners
DCA9	17H71F0009	Latha Rani M	Ms. K Vinaya Sree Bai	An Algorithm for Diagnosis of Nutrient Deficiency Symptoms in Plant Leaf Image Using Digital Image Processing

DCA10	17H71F0010	Mounika G	Mr.D.Varun Prasad	Human Activity Patterns Prediction system for Smart Healthcare Application ( Comparision of KNN, Naviebayes)
DCA11	17H71F0011	N V Bala Ganesh Pavan Kumar K	Ms. Sabitha	Measuring the Information Security using Private Cloud Computing Methods
DCA12	17H71F0012	Naga Rama Jyothi M	Ms. A Anuradha	Image Enhancement with the Application of Local and Global Enhancement Methods for Dark Images
DCA13	17H71F0013	Nagamalleswara Rao K	Mr. B Kalyan Chakravarti	A Key-Policy Attribute-Based Temporary Keyword Search Scheme for Secure Cloud Storage
DCA14	17H71F0015	Parvin Begam Md	Ms. V Lakshmi Chetana	Application of Liser-Item Stochastic Gradient Descent) Recommender Systems
DCA15	17H71F0017	Rajashekhar J	Mr.Y.Bharath Bhushan	Secure Data Group Sharing and Dissemination with Attribute and time conditions in Public Cloud
DCA16	17H71F0018	Ravi Ch	Md.Eliaz	Text Recognition in Image Processing -Clustering
DCA17	17H71F0019	Sai Muralidhar Reddy M	Mr.K.SatyaNaray ana	Detecting Phishing Attacks Using Natural Language Processing and Weighted Text- Based Features
DCA18	17H71F0020	Sailaja N	Ms. K. Priyanka	Establishing Connection between E-Commerce and Social media for effective marketing
DCA19	17H71F0021	Sandhya P	Mr.Venkata Krishna	A Conceptual Model for Automated attendance Marking System Using Facial Recognition
DCA20	17H71F0022	Siva Anjaneyulu T	Mr. B. Venu Gopal	An Efficient Data Retrieval System in Cloud Computing for Data Security
DCA21	17H71F0023	Siva Naga Lakshmi Ch	Mr. D Prasad	Feature Selection based on TBNO
DCA22	17H71F0024	Venkata Gopi G	Ms. V Lakshmi	Scalable Content-aware

			Chetana	Collaborative Filtering for Location Recommendation
DCA23	18H75F0001	Bhavana T	Ms. R Sri Lakshmi	Concurrency Detection Using Similarity Indices Method Using Support Vector Machines
DCA24	18H75F0002	Gopi B	Ms N V Maha Lakshmi	Stock Market Trend Prediction using K-Nearest Neighbourhood Algorithm
DCA25	18H75F0003	Krishna Chaitanya P	Ms. S.Lavanya	Spammer Detection and Fake User Identification on Social Networks
DCA26	18H75F0004	Lakshmi Puja S	Mr. J Ranga Rajesh	A System to Filter Unwanted Messages from OSN User Walls
DCA27	18H75F0005	Lurdhu Rani B	Ms. Parveen	Road Accidents Prediction Model using Machine Learning
DCA28	18H75F0006	Mallikharjuna Rao K	Mr. P. Narasimha Rao	Mining users Trust from E- Commerce Reviews Based on Sentiment Similarity Analysis
DCA29	18H75F0007	Mounika Ch	Ms.K. Keerthi	A Temporal Model for Topic Re-Hotting Prediction in Online Social Networks
DCA30	18H75F0008	Prasad A	Ms. R Sri Lakshmi	A Modified Hierarchical Attribute-Based Encryption Access Control Mehod for Mobile Cloud Computing
DCA31	18H75F0009	Sri Hari P	Ms. K. Priyanka	An Approach to Classify Eligibility Blood Donors Using Decision Tree and Naïve Bayes Classifier
DCA32	18H75F0010	Tejaswini G	Ms. N V Maha Lakshmi	Feature Selection based on TBLO
DCA33	18H75F0011	Venkateswara Rao Ch	Mr. J Ranga Rajesh	Fraud Find: Financial Fraud Detection by Analyzing Human Behavior (k-means Clustering)

AKD

HEAD OF THE DEPARTMENT

(Mrs. L Kanya Kumari)

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



Mining Competitors From Large

Unstructured Datasets

A project report Submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the Award of the degree of

MASTER OF COMPUTER APPLICATIONS By

> Gopi Nadh Kaka (Regd.No.17H71F0007)

Under the Esteemed Guidance of

Ms. K Keerthi

Assistant Professor

Department of Computer Science & Engineering



Devineni Venkata Ramana & Dr. Hima Sekhar Technology College of



An Autonomous Institution

Approval by ARTE. Permanently Attilianal in INTUK, Kakmada (195) 9001 2015 Conduct SIBA According (IR.Tech-CSU/RCTOMECT) (NAAC According) with 'A' fleader Kambili adusta 521100, Krishna Dist., A.P., India, Phone: 00078-273538, 273623, Pac. 00078-273560 ÷

Devinent Venkata Ramana & Dr. Hima Sekhar AIC College of Technology



An Antonomous Instrumon

Approved by ARCTE, Permanently Affiliated in INTUR, Kakinada (100) 9001-2015 Cemiled NBA Accordined dB Tech CSD/ECEMERCH (NAAC According) with 'A Grade Katchikachoria-521180, Krishna Dist., A.P., Judia, Phane: 08078-273535, 273623, Eur. 08078-273599

# CERTIFICATE

This is to certify that the project report entitled "Mining Competitors From Large

Unstructured Datasets " being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Gopi Nadh Kaka bearing Regd. No. 17H71F0007, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

K.Kill.

Ms. K Keerthi (Project Guide)

Ms. L Kanya Kumari (Head of the Department)



Examiner

(35h-D-

Dr.Y. SUDHEER BABU (Principal)

Dr. Y. 2

D.UTM

MIC College of Technology MIC College of Technology MANCHIKACHIRLA, Eristina District





#### An Autonomous Institution

Approved by ARTE: Permanently Affiliated to INTUK, Kakinala (180 900) 2015 Certified 508A Accerdited (B. Tech-CSE/ICTF/MECH ) NAAC Accerdited with 'A' Gride Kanchikacherla-521180, Krishna Dist., A.P., India. Phone: 06678-373535, 273623, Fax: 08678-373569



This is to certify that the project report entitled "DYNAMIC MULTI-KEYWORD RANKED SEARCH SCHEME OVER ENCRYPTED CLOUD DATA "being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bona fide work done by KALYAN KUMAR SURTHANI bearing (Regd.No.17H71F0008), during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

K. Shiemi

Mr. K. Swami (Project Guide) Ms. L Kanyakumari (Head of the Department)

CZSS\_C

Examiner



Dr. Y. SUDHEER BABU (Principal)

Dr. Y. SUDHEER BABU, Ph.D.RTM P.RINCIPAL Devineol Venhata Review 6 Dr. Himanilbar MIC College of Technology MANCHIKACHERLA, Krishne Dietrict

### DECLARATION

Here I, who carried out the project report on "DYNAMIC MULTI-KEYWORD RANKED SEARCH SCHEME OVER ENCRYPTED CLOUD DATA", declare that the matter included in the project is a genuine work done by me and has not been submitted to this university or any other university/institute for the fulfiliment of the requirements of the degree.

S. Kalyan Kunar

KALYAN KUMAR SURTHANI [17H71F0008]



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology



An Autonomous Institution

Approved by AICTE. Permanently Additioned to INTUR. Kakinada (1967) 9001-2015 Cemilled NBA Accessited dl Tech CSU/DCE/MECH (NAAC Accessited with 'A' Grade Kanchrkacherla S21100, Krishna Ost., A.P., Judia, Physic: 08078-273535, 273623, Fax: 08678-273509

#### CERTIFICATE

This is to certify that the project report entitled "HUMAN ACTIVITY PATTERN PREDICTION (HAPP) SYSTEM FOR SMART HEALTH CARE APPLICATION" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by MOUNIKA GURAJALA bearing Regd. No. 17H71F0010, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

un Peasad

Associate Professor

Ms. L Kanya Kumari (Head of the Department)

CASS

Dr. Y. SUDHEER BABU (Principal)

Dr. Y. CUDHEER DARU, PLD.ITM FRINCIPAL Devinent Vorkala Ramous & Dr. Historikhar MIC College of Technology MANCHIKACHERLA, Krishna District

Examiner



#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

#### KAKINADA



JAWAHAPLAL NEHRU TECHNOLOGICAL UNIVERSITY Effective People Effective Culture

**Three Layers Privacy Preserving Cloud Storage Scheme Based On** 

**Computational Intelligence in Fog Computing** 

A project report Submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the Award of the degree of MASTER OF COMPUTER APPLICATIONS

By

N V Bala Ganesh Pavan Kumar Katuboina

(Regd.No.17H71F0011)

Under the Esteemed Guidance of

Ch. SABITHA

Assistant Professor

Department of Computer Science & Engineering







An Autonomous Institution

Approval by AKTE, Perminently Affiliated in PNTUK, Kakanala J BO 9001-2015 Certified NBA Accordinal (II. Tech CSU/ICT/MIXTE) NAAC According with 'A Gode Kaudakacharta-S21100, Kristina Dist, A.P., India, Phene: 00076-273538, 273623, Fax: 00078-273599

2019-2020





Approved by ARTE, Reconnectly Affiliated to INTUE, Kalinada (HO 900) 2015 Confiled NBA Accordingt (B.Tath-CEP/ECT/MECH (NAAC According) with 'A ficiale Kanchekeeperta 921100, Kelolina Thir., A.P., India, Physic 00075 273535, 273623, Fax 100076 273589

#### CERTIFICATE

This is to certify that the project report entitled "Three Layers Privacy Preserving Cloud Storage Scheme Based On Computational Intelligence in Fog Computing " being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharial Nehru Technological University, Kakinada, is a bonafide work done by N V Bala Ganesh Pavan Kumar Katuboina bearing Regd. No. 17H71F0011, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Litte

Ch. Sabitha (Project Guide)

Examiner

Ms. L Kanya Kumari (Head of the Department)

38.0

Dr.Y. SUDHEER BABU (Principal)

Dr. Y. SUDHEER BABU, Ph.D.JITM PRINCIPAL Devices Ventate Remark B Dr. Himsenkhar MIC College of Technology KANCHIKACHERLA, Krishna District



#### Image Enhancement Methods for Dark Images

A project report Submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the Award of the degree of

MASTER OF COMPUTER APPLICATIONS By

> Naga Rama Jyothi M (Regd.No.17H71F0012)

Under the Esteemed Guidance of

Mrs. A. Anuradha

Assistant Professor

Department of Computer Science & Engineering







Approved by AICTE, Permanently Allikand to INTUK, Kakanata I NO 9801 2019 Control

NRA Associated (IE Tash-CNEDCE/MECH I NAAC Accounted with 'A Grade Kanchikasheria 321188, Kolohas Dorr, A.P., Sada, Phone: 08678-272535. 273625, Fas. (88278-27368)



Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology



An Autonomous Institution

Approved by AICTE: Permanently Allifaced in INTUR: Kakinada (181) 9001/2013 Conduct NBA According Of Tech-CEE/ICT/MECO) NAAC According with A Grade Kandukacherte 521100. Kelehna Dirit, A.P., Balia, Phone: 00070-273339, 273621, Fax: 08070-273509

#### CERTIFICATE

This is to certify that the project report entitled "Image Enhancement Methods for Dark Images" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Naga Rama Jyothi .M bearing Regd.No.17H71F0012, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Name of the Guide (Project Guide)

Ms. L Kanya Kumari (Head of the Department)

Examiner



Dr.Y. SUDHEER BABU (Principal)

Dr. Y. SUDHEER BADU, PADJETA

Devices Verlage of Technology MIC College of Technology ANCHIKACHIRLA, Kristen District

#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



A Key Policy Attribute Based Temporary Keyword Search Scheme for Secure Cloud Storage A project report Submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the Award of the degree of

#### MASTER OF COMPUTER APPLICATIONS By

KOMATI NAGAMALLESWARARAO

(17H71F0013)

Under the Esteemed Guidance of

Mr. B Kalyan Chakravarthy

Assistant Professor

Department of Computer Science & Engineering



MIC College of Technology



An Autonomous Institution Approved by AICTE, Permanently Affiliated as DITUR, Kakinada (100-9001/3015 Confied SIBA Accordinal (II Tech-CHI/ECE/MECH (NAAC According with 'A' Oracle Kaschikacherla 525100, Kaidana Dist., A.P., India, Phone: 100/76-273535, 273623, Fac: 01678-273549



# Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology



An Antonomous Institution

Approved by AICTE: Permanently Affiliated to INTUK. Kalanada (150) 9001-2019 Centified NBA Accordined (B.Tevb-CSE/CE/MECH | NAAC Accordined with 'A' Grade Konchikacherla-521100, Krishna Dist., A.P., India, Phone: 00078-273535, 273623, Par. 00078-273509

#### CERTIFICATE

This is to certify that the project report entitled "A Key Policy Attribute Based Temporary Keyword Search Scheme for Secure Cloud Storage" being submitted for the partial fulfillment of the requirements for the award of the degree in Master of Computer Applications from Jawaharlal Nehru Technological University, Kakinada, is a Bonafede work done by KOMATI NAGAMALLESWARARAO [17H71F0013] under my guidance during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr. B Kalyan Chaldravarthy (Project Guide)

Ms. L Kanya Kumari

(Head of the Department)

Examiner



KR.C

Dr.Y. SUDHEER BABU (Principal)

Dr. Y. SUCHEED DATIU, Ph.D. HTM

Devineni Verkatzilanini LDr. Hinasekhar MIC Collogie of Technology KANCHIKACHERLA, Krishne District

#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



# Optimization of User-Item Matrix using SGD (Stochastic Gradient Descent)

For Movie Recommendation Systems

A project report Submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the Award of the degree of

#### MASTER OF COMPUTER APPLICATIONS By

Parvin Begam Md (Regd.No.17H71F0015)

Under the Esteemed Guidance of

Mrs. V. Lakshmi Chetana

Assistant Professor

Department of Computer Science & Engineering







Approved by AJCTE, Permanently Affiliated to PSTUR, Rakinada (196) 9001-2013 Control NBA Accessibility of Tech-CSDFCC/MECH (NAAC Accessibility with 'A' Grade Konchikacherla 571100, Rendmin Dist., A.P., India, Phone: 00078-273835, 273835, 273823, Fax. 00078-273899





An Automous Institution

Approved by AICTE, Permanently Affiliated to PATUK, Kakinada (1802)9001-2013 Cemiled MIA According (IETech-CSE/ECE/MECH ENAAC According) with 'A' Grade Kanchikacherla 521100, Krishna Dist., A.P., India, Phone: 00676-273533, 273623, Fax: 00676-273509

#### CERTIFICATE

This is to certify that the project report entitled "Optimization of User-Item Matrix using SGD (Stochastic Gradient Descent) for Movie Recommendation Systems" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Parvin Begam Md bearing Regd. No. 17H71F0015, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any

degree,

Mrs. V. Lakshmi Chetana (Project Guide)

Ms. L Kanya Kumari (Head of the Department)

1.2.4.1.1.2.4.4

C Som S

Dr.Y. SUDHEER BABU (Principal)

Dr. Y. SUDHEER CARU, IND. HTM PREMARE Devinent Winking Figures, 10: Versicher MIC College of Technology MANCHIKACHERLA, Reishne District

Examiner



# Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology



An Autonomous Institution

Approved by AICTE, Permanently Affiliated to INTUK, Kakimala USO 9001/2015 Centriest NBA Accordited (II. Tech-CSE/ICE/MECH | NAAC Accordinal with 'A' Ocade Kanchikacherla-521100, Krishte Dist., A.P., India, Phone: 00678-273555, 273623, Fax: 08678-273569

# CERTIFICATE

This is to certify that the project report entitled "Text Recognition in Image Processing" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bona fide work done by CHAPPIDI RAVI bearing Regd. No. 17H71F0018, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.



Examiner



Dr. Y. SUDHEER BABU (Principal)

Dr. V. SUDHEER DATU, H.D.UTM

Bevintoi Votkas MIC College of Tunhnology KANCHIKACHERLA, Reiston Sistrict

#### ACKNOWLEDGEMENT

I am grateful to Md.Eliaz, Asst.Professor, Department of Computer Science Engineering, whose guidance has been immense all throughout the project work.

My sincere thanks to Ms. L. Kanyakumari, Head of the Department, Computer Science and Engineering, for her valuable guidance and timely advices in the completion of my project.

I express my heartfelt gratitude to Dr. Y. SUDHEER BABU, Principal, DVR &Dr. HS MIC College of Technology, for permitting me to take up my project work and to complete the project successfully.

I would like to express my sincere and heart full thanks to all the lecturers of the department for their continuous cooperation, which has given me the cogency to build up adamant aspiration over the completion of our project.

Finally, I thank one and all who directly and indirectly helped me to complete my project successfully.





An Autonomous Institution

Approved by ARCTE, Permanently Alfiliated to INTUK, Kakinada (190-900) 2015 Centified NBA Accordited (B.Tech-CSE/ECE/MECH1NAAC Accordited with 'A' Grade Kanchikacherla-521189, Keiden Dot, A.P., India Phone: 06078-273535, 273623, Fax: 06078-273569

## CERTIFICATE

This is to certify that the project report entitled "DETECTING PHISHING ATTACKS USING NATIURAL LANGUAGE PROCESSING AND WEIGHTED TEXT-BASED FEATURES" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bona fide work done by MAREDDY SAI MURALIDHAR REDDY bearing Regd. No. 17H71F0019, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

4. Satur Nerragues

Mr. K. Satyanarayana (Project Guide) Ms. L Kanyakumari (Head of the Department)

Examiner

Dr. Y. SUDHEER BABU

(Principal)

Dr. Y. SUDHITTE DADU, PLD. HTM

Destrant Victoria Contraction Co. Himasekhar MIC College of Technology CANCHUKACHERLA, Krishes District





An Autonomous Institution

Approved by ARTE: Permanently Affiliated to INTUK, Kakinada [150:9001:2015 Certified NBA Accordinal (II: Torb-CSERCE/MECH ] NAAC Accredited with 'A' Grade Kanchikacherla-521180, Kendma Dist., A.P., India, Phone: 08078-273535, 273623, Fax: 08078-273569

# CERTIFICATE

This is to certify that the project report entitled "DETECTING PHISHING ATTACKS USING NATIURAL LANGUAGE PROCESSING AND WEIGHTED TEXT-BASED FEATURES" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bona fide work done by MAREDDY SAI MURALIDHAR REDDY bearing Regd. No. 17H71F0019, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

K. Saly Narapon

Mr. K. Satyanarayana (Project Guide) Ms. L Kanyakumari (Head of the Department)

(SSLO\_

Examiner

Dr. Y. SUDHEER BABU (Principal)

Dr. Y. SUDHERS CAPIJ, in D.ITA PARAMETER CAPIJ, in D.ITA Devices Vision Contraction MIC College of Technology FARCHIKACHERLA, Koshna District

#### ACKNOWLEDGEMENT

I am grateful to Mr. K.Satyanarayana, Asst.Professor, Department of Computer Science Engineering, whose guidance has been immense all throughout the project work.

My sincere thanks to Ms. L. Kanyakumari, Head of the Department, Computer Science and Engineering, for her valuable guidance and timely advices in the completion of my project.

I express my heartfelt gratitude to Dr. Y. SUDHEER BABU, Principal, DVR &Dr. HS MIC College of Technology, for permitting me to take up my project work and to complete the project successfully.

I would like to express my sincere and heart full thanks to all the lecturers of the department for their continuous cooperation, which has given me the cogency to build up adamant aspiration over the completion of our project.

Finally, I thank one and all who directly and indirectly helped me to complete my project successfully.



# Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology



#### An Autonomeus Institution

Apprived by ABCTE, Permanently Affiliated as INTUK, Kakiwada (150) 9001 2015 Cemtled NBA Accredited (II. Tech-CSE/ECE/MEEH | NAAC Accessing with 'A: Grade Katchikacherla-521180, Krishna Dist., A.P., India, Phone: 06678-273535, 273623, Fax. 00678-273569

# CERTIFICATE

This is to certify that the project report entitled "ESTABLISHING CONNECTION BETWEEN E-COMMERCE AND SOCIAL MEDIA FOR EFFECTIVE MARKETING" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a hona fide work done by SAILAJA NUTHALAPATI bearing Regd.No.17H71F0020, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

K. Priyanka (Project Guide)

Examiner



Ms. L Kanyakumari (Head of the Department)

R. 0

#### Dr.Y. SUDHEER BABU (Principal)

Dr. Y. SUDMERTS IN THE POUTIE Desinent Verball Toron Distribution MIC College of Technology KANCHIKACHERLA, Kristors District

# ACKNOWLEDGMENT

I feel my self-honored to place warm salutation to Devineni Venkata Ramana &Dr. Hima Sekhar MIC College of Technology, Kanchikacherla and Department of Computer Applications, which gave me the opportunity to have a strong base in Master of Computer Applications and profound knowledge.

I am extremely thankful to Dr. Y. Sudheer Babu, principal of Devineni Venkata Ramana &Dr. Hima Sekhar MIC College of Technology, Kanchikacherlafor providing an opportunity to develop a project in the organization.

I sincerely express my deep-felt gratitude to K. Priyanka Guide and L. Kanya Kamari Head of the Department for their valuable guidance, critical views encouragement and help at each and every phase of the project work. I particularly express my heartful thanks for supervision, smooth co-ordination, inspiration and timely help to complete this project work.

Finally, I take this opportunity to extend my full-heartened thanks, gratitude and respect to department, Lectures, all my friends, parents and well-wishers for giving me valuable advice and constant support in all possible ways.

N. Sailaja.

NUTHALAPATI SAILAJA (17H71F0002)



# A Conceptual Model for Automated Attendance Marking System Using

# **Facial Recognition**

A project report Submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the Award of the degree of

> MASTER OF COMPUTER APPLICATIONS By

> > Sandhya Pidaparthi (Regd.No.17H71F0021)

Under the Esteemed Guidance of

Mr. J. Venkata Krishna

Assistant Professor

Department of Computer Science & Engineering



Devineni Venkata Ramana & Dr. Hima Sekhar College of Technology (



An Autoponous Institution

Approval by AICTE, Permanently Affiliated as JMTUK, Kakinada (1910-9002-2015 Centrol NBA According (B.Tech-CSE/ECE/MECH | NAAC Accordingl with 'A' Gosle Kaschikacheria 321195, Ketolasa Dist., A.P., India. Phone: 09678-273335, 273623, Pat. 19078-273569 of manifold Indexed





An Autonomous Institution

Approved by AICTE, Permanently Affiliated to INTUK, Kakanada (190 900) 2015 Certified NBA Accordingl (B.Tech-CSE/ECF/MECH | NAAC Accordingl with 'A' Oracle Kanchikacheria-521100, Krishna Din, A.P., India. Phone: 08678-273335, 273623, Fax: 08078-273569

### CERTIFICATE

This is to certify that the project report entitled "A Conceptual Model for Automated Attendance Marking System Using Facial Recognition" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Sandhya pidaparthi bearing Regd. No. 17H71F0021, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr. J. Venkata Krishna (Project Guide)

Mrs. L Kanya Kumari (Head of the Department)

Examiner



CERS

Dr.Y. SUDHEER BABU (Principal) Dr. Y. SUDI Control (Ph.D.)17M

MIC College of Technology "ANOHIKACHERLA, Krishing District





An Autonomous Institution

Approved by AICTE, Permanently Affiliated to INTUK, Rakinada (15O 9001:3013 Centified NBA Accordingle 0, Tech-CSEE/CU/MECH [NAAC Accordingl with 'A' Grade Kanchikacherta 521100, Reisling Dist., A.P., Jodia, Phone: 06678-273535, 273623, Fax: 06678-273569

# CERTIFICATE

This is to certify that the project report entitled "SCALABLE CONTENT AWARE COLLABORATIVE FILTERING FOR LOCATION RECOMMENDATION SYSTEM " being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bona fide work done by Gonela Venkata Gopi bearing Regd. No. 17H71F0024, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

V. Lakshmi Chetana (Project Guide)

Ms. L. Kanyakumari (Head of the Department)

Examiner



SSES Dr. Y. SUDHEER BABU (Principal)

Dr. Y. SUDHEER BABU, PLD. IIIM PHINE 42. Devices Vectors Review 5.0: Himselfur MIC College of Technology KANCHIKACHERLA, Kristian District

#### DECLARATION

Here, I implement the project report on "SCALABLE CONTENT AWARE COLLABORATIVE FILTERING FOR LOCATION RECOMMENDATION SYSTEM", declare that the data and operations in this project is a genuine work done by me and has not been submitted to this university or any other university/institute for the fulfilment of the requirements of the degree.

G. vapada Gapi

Gonela Venkata Gopi [17H71F0024]

#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



Fake Currency Detection Based On Image Processing Using Support

Vector Machine

A project report Submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the Award of the degree of

### MASTER OF COMPUTER APPLICATIONS By

Bhavana T

(Regd.No.18H75F0001)

Under the Esteemed Guidance of

R.Sri Lakshmi

Assistant Professor

Department of Computer Science & Engineering



MIC College of Technology



Approved by AICTE. Permanently Affiliated to INTUK, Kalonada (194) 9401 (2013 Centiled

NBA Accordingl (III Tech-CMPEED/MECH) NAAC Accordingl with 'A Grade Kanabika herta (21100). Kentura Dist., A.P., India, Phane: 00070-273333, 223623, Fax: 00070-273300



An Dist West 2003

An Autonomous Institution

Approved by AICTE, Permanently Affiliated to DPTUK, Kakinada (180 9001-2015 Centiled NBA Accredited (0. Tech (SERECE/MECH) ) NAAC Accordited with A Goale Kanchikacherla (SEI00), Kristian Disc., A.P., Jadia, Phone: 08678-273535, 273623, Fac: 08678-273569

#### CERTIFICATE

This is to certify that the project report entitled "Fake Currency Detection Based On Image Processing Using Support Vector Machine " being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Bhavana T bearing Regd. No. 18H75F0001, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

R.Sri Lakshmi (Project Guide)

Examiner



alle

Ms.L. Kanya Kumari (Head of the Department)

CESS ... O

Dr.Y. SUDHEER BABU (Principal) Dr. Y. SUDHEER BABU, PAD, 11TM

Devinest Ventura Lenis 55r Himmithan MIC College of Technology VANGHIXACHERLA, Krishna District



An Antoneninas Instructori



Approved by AKTE, Permanentry Artificiant in DUUK, Rokinado (2004/000) 2014 Confined 1015. Accordinal (B.Tech-CBURT/MIXTE) NAAC Accordingl with 'A Confe Konstationherin (2110). Restant Disc, A.P., India, Physics (2007) 271313, 273623. Soc. (2007) 271504

#### CERTIFICATE

This is to certify that the project report entitled "Spammer Detection and Fake User Identification on Social Networks " being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Paruchuri Krishna Chaitanya bearing Regd. No. 18H75F0003, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Lavanva

(Project Guide)

NOUSTRY

Ms. L Kanya Kumari (Head of the Department)

CERLE

Dr.Y. SUDHEER BABU (Principal)

Dr. V. SUDHEER DARU, Ph.D. 1174 P. P. C. M. D. Honsektor MIC Collings of Technology KANCHIHACHERLA, Eristina District

Examiner


#### ACKNOWLEDGEMENT

I express my deep sense of gratitude and indebtness to my guide, S.Lavanya, Assistant Professor, DVR & Dr. HS MIC College of Technology, for her valuable guidance during the course of this project work. I am much indebted to her for suggesting a challenging and interactive project and her valuable advice at every stage of this work. I am very much thankful to her for the coordination in this regard.

I also thank Ms. L. Kanyakumari, Head of the Department, Department of Computer Applications, who gave very good support to me during this work.

I also thank Dr. Y. SUDHEER BABU, Principal of our college, who gave very good support to me during this work and others who helped me in this project work.

I wish my warm and grateful thanks to the staff of our department of DVR & Dr HS MIC College of Technology for the assistance for their continuous encouragement in completing my work successfully.

Finally I thank one and all who directly or indirectly helped me in completion of my project successfully.

> P. Krishna chaitanya KRISHNA CHAITANYA PARUCHURI (18H75F0003)



# A SYSTEM TO FILTER UNWANTED MESSAGES

#### FROM OSN USER WALLS

A project report Submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the Award of the degree of

### MASTER OF COMPUTER APPLICATIONS By

Lakshmi Pooja S (Regd.No.18H75F0004)

Under the Esteemed Guidance of

Mr.J Rangarajesh

Assistant Professor

Department of Computer Science & Engineering



MIC College of Technology

An Autonomous Institution



Approved by ARCHE, Permanently Allifated to INTER, Kalanaka (190) 4001-2013 Centried NBA Accordinal (IR Tayle CNERCE/NEICE) NAAC Accordinal with 'A Goale Kanduka berle 521100, Krohne Dist., A.P., Judia, Phone. 00078, 273535, 273623, Fax. 100/76, 273500





An Autoneuronis Institution

Approved by AICTE, Permanently Allihund in INTUK, Kakinada (15O 900) 2013 Certified NBA According (II: Tach-CSE/RCE/MECUTINAAC Accordingly with 'A' Goale Konchilaetherta 521100, Keishna Dist., A.P., India, Phane: 00070 273535, 273623, Fax: 00079-273504

## CERTIFICATE

This is to certify that the project report entitled "A System To Filter Unwanted Messages From OSN User Walls " being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Lakshmi Pooja S bearing Regd. No. 18H75F0004, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

J. Raggivissesh

Mr.J.Rangarajesh

(Project Guide)

L Kanya Kumari

(Head Of The Department)



Examiner

CHE Q

#### Dr.Y. SUDHEER BABU (Principal)

Dr. Y. SUDITER DASU, Pa.D.IITW Devices Verlage of Dr. Himssisher MIC College of Technology PANCHIRACHERILA, Krishna Diatrict





#### An Autonomous Institution

Approved by AICTE, Permanently Affiliated to INTUR, Kakinada (15O 9001:2015 Camiled NBA Accordingly (II. Tech-CSE/ECE/MUCH | NAAC Accordingl with 'A' Grade Kanchikacherla 521109, Krishin Dist., A.P., India, Phone: 08678-273535, 273623, Fax: 08678-273569

# CERTIFICATE

This is to certify that the project report entitled "MINING USERS TRUST FROM E-COMMERCE REVIEWS BASED ON SENTIMENT SIMILARITY ANALYSIS "being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlai Nehru Technological University, Kakinada, is a borna fide work done by KETHEPALLI MALLIKHARJUNA RAO bearing Regd.No.18H75F0006during the neademic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

P. Narasimlea Rao (Project Guide)

Examiner



Ms. L Kanyakumari (Head of the Department)

BL C

Dr.Y. SUDHEER BABU (Principal)

Dr. Y. CUDA

, FR.D. RTM

MIC College of Technology KANCHIKACHERLA, Krishna District

# DECLARATION

Here, I implement the project report on "MINING USERS TRUST FROM E-COMMERCE REVIEWS BASED ON SENTIMENT SIMILARITY ANALYSIS", declare that the data and operations in this project is a genuine work done by me and has not been submitted to this university or any other university/institute for the fulfillment of the requirements of the degree.

K. Walletagiuralao

KETHEPALLI MALLIKHARJUNA RAO [18H75F0006]



When to Make Topic Re-hot Again? A Temporal Model for Topic Re-hotting Prediction in Online Social Networks

A project report Submitted to the

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the Award of the degree of

### MASTER OF COMPUTER APPLICATIONS By

Chakka. Mounika

(Regd.No.18H75F0007)

Under the Esteemed Guidance of

Ms. k. keerthi

Assistant Professor

Department of Computer Science & Engineering







Approved by ARTE: Primarinally Allifated to DVECK: Kakinoda (1000-900), 2013 Condited 200A Associated 00 Task-CSE/012320002011 [VAAC Accordinal with 'A' Grade Knochikacheris 321100, Kriston Dist., A.P., Jadia, Phene: 00075-273333, 223623, Par. 00075-273500 ÷

Devinent Venkata Ramana & Dr. Hima Sekhar MIC College of Technology



An Astonomous Inditation

Approval by ARTE, Permanently Affiliated to INTUE, Kakunala (1960-9006 2015 Certified NBA According 00 Tech CSERCEOMECU (183AC According with 'A Grade Kaushingkerta 521100, Kordan Dirt, A.P., India, Phene 00078-272535, 273621, Fax, 100/75-272500

# CERTIFICATE

This is to certify thet the project report entitled "When To Make Topic Re-hot Again ?A Temporal Model For Topic Re-hotting Prediction in Online Social Networks " being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Chakka. mounika bearing Regd. No. 18H75F0007, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any

degree.

K. Kull. Ms k.keerthi

(Project Guide)

Ms. L. Kanya kumari (Head of the department)

Examiner



Dr Y. SUDHEER BABU (Principal)

Dr. Y. SUDICET TO DU, M.D. HTM



# A MODIFIED HIERARCHICAL ATTRIBUTE-BASED ENCRYPTION ACCESS CONTROL METHOD FOR MOBILE CLOUD COMPUTING

A project report submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

#### MASTER OF COMPUTER APPLICATIONS

by

ANISETTY PRASAD

(Regd.No.18H75F0008)

Under the Esteemed Guidance of R. SRI LAKSHMI

Asst.Professor

Department of Computer Science & Engineering





An Autonomous Institution Approved by AICTE, Permanently Affiliated to INTUK, Kakanada (160 900) 2015 Contiled

NBA According (B.Tuch-CSERCE/MEET) NAAC According with A Grade Kanchikacherhi 521100, Krishna Dist., A.P., Jinha, Phone: 00678-273333, 273623, Fax: 00678-273300





2019-20



# Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology



Citized Incidents

#### An Autonomous Institution

Approved by AICTE: Permanently Affiliated to INTUK. Kakanada (150:900):2015 Certified NBA Accredited (B. Tech-CSE/ECTE/MECTE) NAAC Accredited with 'A' Grade Kanchikacherla-5231100, Krishna Dist., A.P., India, Phone: 60678-273535, 273623, Fax: 00678-273509

# CERTIFICATE

This is to certify that the project report entitled "A Modified Hierarchical Attribute-Based Encryption Access Control Method for Mobile Cloud Computing " being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bona fide work done by Prasad bearing (Regd,No,18H75F0008), during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

R. Spel

R Sri Lakshmi

(Project Guide)

Ms. L Kanyakumari (Head of the Department)

Examiner



CER.S

Dr. Y. SUDHEER BABU

(Principal) Dr. Y. SUDHOON DABU, INDUITM FRINCIPAL Devinent Vertical Forem 10: Nonsethar MIC College of Technology VINCHULACHERLA, Kristing District





# FEATURE SELECTION BASED ON TEACHING LEARNING BASED OPTIMISATION ALGORITHM

A project report Submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the Award of the degree of

### MASTER OF COMPUTER APPLICATIONS By

GAJJA TEJASWINI (Regd.No.18H75F0010)

Under the Esteemed Guidance of

N.V. MAHALAKSHMI

Assistant Professor

Department of Computer Science & Engineering







Approval by AICTE, Permanently Affiliated to JWTUK, Kakinada (150:900) 2015 Caroliel NBA According (ILTwo)-CNU/ICU/AIECH1 NAAC Accessibled with 'A' Grade Kawalakaeta 521190, Kriston Dist., A.P., India, Phone: 00070-273535, 273625, Fax: 08670-273589









An Autonousous Institution

Approved by AICTE. Permanently Affiliated to INTUK, Kakinada (15D 900) 2015 Centiled NBA Accordined (B.Tach-CSE/20CE/MECH | NAAC Accordined with 'A' Geale Kanchikacherla 321100, Keishna Dist., A.P., Jada, Phone: 08070-273555, 273623, Fax: 10676-271569

#### CERTIFICATE

This is to certify that the project report entitled "Feature Selection Based on Teaching Learning Based Optimisation Algorithm" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Gajja Tejaswini bearing Regd. No. 18H75F0010, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

NEDUSTRY

N. V. Mahalakshmi (Project Guide)

Ms. L. Kanya Kumari (Head of the Department)



(8k.9

Dr.Y. SUDHEER BABU (Principal) Dr.Y. SUDHEER BABU, PLD, UDA PRINCIPAL Devision Vention Planne Life Himanskinar MIC Colloge of Technology KANCHIKACHURLA, Krishes District





An Automonious Institution

Appended by ARCTE, Permanently Alfiliated to INTUK, Kakinada (180-980) 2015 Centiled NBA According (II: Tech CSUPECE/MECH | NAAC Accordingl with 'A' Deale Kanchikacherla 521180, Keishna Dist., A.P., Jodia, Physic 00678 273535, 273623, Fac. 08678 273569

## CERTIFICATE

This is to certify that the project report entitled "Financial fraud detection by analyzing human behavior" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonalide work done by CHINTA VENKATESWARA RAO bearing Regd. No. 18H75F0011, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

J. Ranger Test Mr. J Ranga Rajesh (Project Guide)

100010-0012-0

Ms. L. Kanyakumari (Head of the Department)

110

Examiner



(Shan O

Dr. Y. SUDHEER BABU (Principal)

Dr. Y. SUDINCL PERMIT, PR.D. 1978 FROM STAL Devinent Verkete Parameter Universitier MIC College of Technology KANCHULACHERLA, Krishne District

#### ACKNOWLEDGEMENT

I express my deep sense of gratitude and indebtness to my guide, Mr. J Ranga Rajesh, Assistant Professor, DVR & Dr. HS MIC College of Technology, for his valuable guidance during the course of this project work. I am much indebted to him for suggesting a challenging and interactive project and his valuable advice at every stage of this work. I am very much thankful to him for the coordination in this regard.

I also thank Ms. L Kanyakumari, Head of the Department, Department of Computer Applications, who gave very good support to me during this work.

I also thank Dr. Y. SUDHEER BABU, Principal of our college, who gave very good support to me during this work and others who helped me in this project work.

I wish my warm and grateful thanks to the staff of our department of DVR & Dr HS MIC College of Technology for the assistance for their continuous encouragement in completing my work successfully.

Finally I thank one and all who directly or indirectly helped me in completion of my project successfully.



An Iterative Classification Scheme for Sanitizing

Large Scale Data Sets

A project report Submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the Award of the degree of

### MASTER OF COMPUTER APPLICATIONS By

Abdul Asiya Begum Sk

#### (Regd.No.17H71F0001)

Under the Esteemed Guidance of

Dr. G Kalyani

Professor

Department of Computer Science & Engineering



MIC College of Technology



Approval by AKTE: Permanently Affiliated to INTUK, Kalonada (1962-000) 2018 Contract NBA Accordinal (B.Tach-CSU/ICEUMEETELNAAC Accordinal with 'A' Ocade Kaselnikachorle 521100, Kristina Disc., A.P., India, Phene: 00078-273555, 273625, Fize, 00078-275509





An Autoscennic Institution Approval by AICTE Permanently Although to INTER, Kakinada (160/900) 2013 Camiliad NBA Assembled 05 Tach Child CAMICEI (NAAC Assembled with X Grade Kauchilacheda 521100, Keishna Dan, A.P., Judia Phene: 00076 273535, 273625, Pay. 00076, 273589

## CERTIFICATE

This is to certify that the project report entitled "An Iterative Classification Scheme for Sanitizing Large Scale Data Sets " being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Abdul Asiya Begum Sk bearing Regd. No. 17H71F0001, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

alvani Dr. 6 Kalvani

(Project Guide)

Ms. L. Kanya Kumari (Head of the Department)

558.5

Dr.Y. SUDHEER BABU (Principal)

Or. Y. SUDHEER BABU, Papierta Philodopan Bevinen Venlage Innune CO. Hanschar MIC College of Technology KANCHERCOMPLA Kriphing District



### KAKINADA



JAWAHARIAL NEHRU TECHNOLOGICAL UNIVERSITY Effective People Effective Culture

SECURE MEDICAL DATA SHARING IN CLOUD USING FULLY HOMOMORPHIC ENCRYPTION TECHNIQUES

A project report submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the award of the degree of

#### MASTER OF COMPUTER APPLICATIONS

#### Submitted by

RAMISETTY BALAGOPI

(Regd.No.17H71F0002)

Under the Esteemed Guidance of

M.MADHAVI

Assistant Professor

Department of Computer Science & Engineering



MIC College of Technology



Approved by ARTH: Permanently Affiliated in INTUK, Kalanada i BO 9001 2015 Central MBA Accessibility of Tech-CSEAUCE/MEE'D (NAAC Accessibility of the Article Kambikacheria 521100, Kristina Disc., A.P., India, Physics 00025 373535, 273623, Fax: 00078-273500

#### 2019-2020





Approved by ARTE, Permanently Allillated to (NTUK, Kakinada ) 1917-9001 (2013 Centiled NBA According (III. Tech-CSE/IICE/MECH | NAAC According) with 'A' Grade Katchikacheris 521100. Krishna Doat, A.F., India, Phone: 08678-273533, 273623, Fax: 00076-273569

#### CERTIFICATE

This is to certify that the project report entitled "Secure Medical Data Sharing in Cloud Using Fully Homomorphic Encryption Techniques" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a Bonafede work done by Ramisetty Bala Gopi bearing Regd. No. 17H71F0002, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

M. Gani M.Madhavi (Project Guide)

INDUSTICA'

Ms. L Kanya Kumari

(Head of the Department)



Cassa Q

Dr.Y. SUDHEER BABU (Principal) Or. Y. BUDHEER SAGE Ph.D. 117M Deviceal Verkici Panding & Dr. Kines ekhar

MIC College of Technology KANCHIKACHERLA, Krishna District



**Online Banking Secure System with** 

Software Puzzle

A project report Submitted to the Jawaharlal Nehru Technological University Kakinada in partial fulfillment for the Award of the degree of

MASTER OF COMPUTER APPLICATIONS By

> Kunapareddy Bhavya Priya Darsini (Regd.No.17H71F0003)

Under the Esteemed Guidance of

Ms. L. Kanya Kumari

Assistant Professor

Department of Computer Science & Engineering



MIC College of Technology



Appending MCTU, Permanently Affiliated in DYUK, Kakanala (100 9001-2015 Certified 500A Accordingly (R.Tach-CSEOECEARECH (NAAC Accordingly with 'A Gende Kanchelaufurta 521100, Kending Dist., A.P., India, Physics 00079, 273658, 273658, Fao. 00079, 273569





As Autonomous Institution

Approved by AICTE, Permanently Affiliated to DVTUK, Kalimada (150) 9001-2015 Certified 501A According (B.Tech-CSE/RED/MECH ) NAAC According with 'N Grade Kanchikacherla 521100, Krishmi Dist., A.P., India Phone: 08676-273835, 273623, Eur. 08678-273869

#### CERTIFICATE

This is to certify that the project report entitled "Online Banking Secure System with Software Puzzle" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonalide work done by Kunapareddy Bhavya Priya Darsini bearing Regd. No. 17H71F0003, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Ms. L Kanya Kumari (Project Guide)

Ms. L Kanya Kumari (Head of the Department)

38.0

Dr.Y. SUDHEER BABU (Principal)

Or, Y. SUDHEED DABU, PAD, ITA FAD: 000 Divinent Ventus Research Co. Monasakhar MIC College of Technology SANCHIRACHERIA, Knisha Diatest



# BEST KEYWORDS COVER SEARCH

A project report Submitted to the Jawaharlal Nehru Technological University Kakinada In partial fulfillment for the Award of the degree of

## MASTER OF COMPUTER APPLICATIONS By

Durga Mellempudi (Regd.No.17H71F0004)

Under the Esteemed Guidance of

Mr. K.Mahanthi

Asst.Professor

Department of Computer Science & Engineering







An Automotions Institution

Approval by ARTE, Pressancelly Albituded to DYTUR, Kakinada (1961) 9800 2015 Centred NBA Accordinated Tech-CNEDECEADECH (NAAC According) with 'A Grade Kanchikasherly 521100, Raising Dist. A.P., India Phase: 00076 211033, 215023, Fac 00010 311560 Ż

# AIC College of Technology



An Automornosis Institution

Approxial by ARTE: Permanently Affiliant to DYIUK. Kakinada (197) 9801 2015 Centred NRA According (R.Tech-CSERCE/MECH) SAAC According with 'A Grade Katchikasherla 521100, Krishna Dist., A.P., India, Physics 00078, 273518, 275623, Fax. 00078, 373509

### CERTIFICATE

This is to certify that the project report entitled "Best Keywords Cover Search" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by Durga Mellempudi bearing Regd. No.17H71F0004, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr.K.Mahanthi

Mr.K.Mahanthi (Project Guide)

Ms. L Kanya Kumari

1

(Head of the Department)

Examiner



(Shows

Dr. Y. SUDHEER BABU (Principal)

Dr. Y. SUDHE TH TABU, IND, ITTM

Deviced Vision 100 Continuendar MIC College of Technology KANCHIKACHERLA, Krishna District





An Antonemous Institution

Approved by AICTE, Permanently APDIated to INTUK, Kakinada J ISO 9001-2015 Centiled NBA Accordinal (B-Tech-CSEPECPMECH J NAAC Accordinal with 'A' Grade Kanchikacherla 521100, Kerdan Don., A.P., Isalia, Phone: 08678-773535, 273633, Fac: 08678-773569

## CERTIFICATE

This is to certify that the project report entitled "Privacy Protection Based Access Control Scheme in Cloud-based Services" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by YANAMADALA GOPIKRISHNA, bearing Regd. No. 17H71F0006, during the academic year 2019-2020 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

P. NARASIMUS RAO (Project Guide)

Ms. L Kanya Kumari (Head of the Department)

Dr.Y. SUDHEER BABU (Principal) Or. Y. SUDHEEN GABU, m.D.0114

Devinent Ministe Roman 6 Dr. Hinssekhir MIC College of Tochnology CANCHIKACHIFILA, Rishne District