

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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

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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 OF CIVIL ENGINEERING



Devineni Venkata Ramana & Dr. Hima Sekhar

MIC College of Technology

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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



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This is to certify that the project report titled "DESIGN OF BOX CULVERT" Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada is a bonafide work done by N.SOWJANYA (16H71A0131), N.PAVAN KALYAN (17H75A0111), P. VAMSI (17H75A0130), T. NAGA GOPI (16H71A0119) 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.

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Head of the Department

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EXTERNAL EXAMINER

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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

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CHINNA OBULESH. D (17H75A0135)

NARASIMHA REDDY. S (16H71A0120)

SUBRAMANYAM. P (16H71A0174)

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DESIGN AND ANALYSIS OF EDUCATIONAL 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

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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.

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EXTERNAL EXAMINER

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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

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SRINU.M (17H75A0125)

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(AN ISO 9001 -2008
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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 SRLN (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.



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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



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

P.YUVA BINDU **J.VENKATA SAI**
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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.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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

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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.

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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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)
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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.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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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

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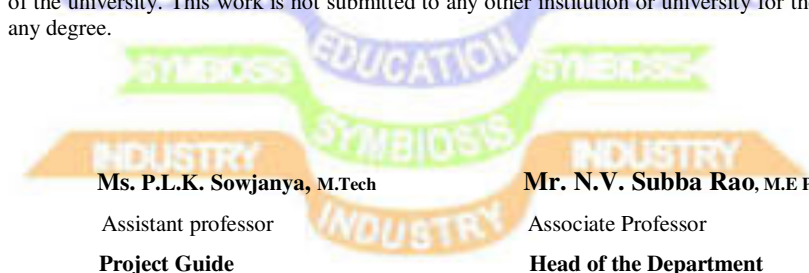
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This is to certify that the project report entitled "EXPERIMENTAL INVESTIGATION ON HYBRID FIBER REINFORCED CONCRETE" Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada is a bonafide work done by RAVEENDRA BABU.L (17H75A0114), MANIKANTA SAI.N(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.



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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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 ENGINEERING

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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.

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EXTERNALEXAMINER

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**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 ENGINEERING

By

K. VENKATA RAO (16H71A0138) P. RAMA KRISHNA (16H71A0169)
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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
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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)

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N.SURENDRA (17H75A0127)

A.SATYA KIRAN (17H75A0121)

CH.SANDEEP (17H75A0120)

Under the esteemed guidance of

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HOD Department of Civil Engineering



Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
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Approved by AICTE & Permanently Affiliated to JNTU, Kakinada
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Kandacharla - 52300, Krishna Dist., A.P. India. Phone No: 9879-27333, 27362

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
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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**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

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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.

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**JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY KAKINADA**



**WATER QUALITY ANALYSIS AT 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

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

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CERTIFICATE

This is to certify that the project report entitled “WATER QUALITY ANALYSIS AT SCHOOLS AND PUBLIC PLACES IN AMARAVATHI REGION” BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a bonafide work done by **O. 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.)

Associate Professor & Project Guide

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

Head of the Department

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

Principal

External Examiner

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**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	(16H71A0132)	J.YASASWINI	(16H71A0141)
B.BHARGAV REDDY	(16H71A0148)	A.JAWAHAR	(16H71A0153)
P.SAI KANTH ANUDEEP	(17H75A0115)		

Under the Esteemed Guidance of
Mr. NANDIPATI.S.M.RAVI KUMAR, M.Tech
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**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)

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



CERTIFICATE

This is to certify that the 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.

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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



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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

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K.SUSHMINA (16H71A0175)

M.AKHILA (16H71A0142)

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Under the esteemed guidance of

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DEPARTMENT OF CIVIL ENGINEERING



Devineni Venkata Ramana & Dr. Hima Sekhar

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2019 - 2020



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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.

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

External Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

KAKINADA



JNTU KAKINADA

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
Effective People Effective Culture

**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) B.MANOJ (17H75A0108)

N. RAJESH (16H71A0123) K.MANIKANTA (17H75A0107)

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

Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING

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(AN ISO 9001 -2008
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
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Project Guide

N.Subba Rao
Asst.Professor
Head of the Department

N. Sudheer Babu

Principal

External Examiner

**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

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

This is to certify that the project report entitled “**DESIGN AND ANALYSIS OF A G+5 RESIDENTIAL 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(17H75A0104),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.

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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 ENGINEERING

By

SIVA NAGA SIRISHA.K (16H71A0130)

NAGA ANJI REDDY.A (16H71A0163)

SAI KUMAR.R (17H75A0117)

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2019-2020



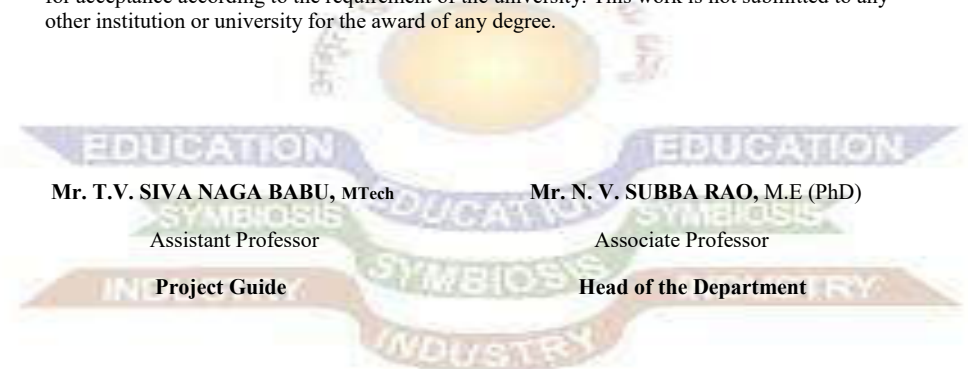
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Dr. Y. Sudheer Babu, PhD (IITM)

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EXTERNALEXAMINER

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**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 ENGINEERING

By

N. MADHULATHA (16H71A0115) CH. L V GANESH NAIDU (16H71A0155)
CH MANOHAR (16H71A0118) K. DILIP (17H75A0105)
P. TULASI (17H75A0129)

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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.MANO HAR (16H71A0118), 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.

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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
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	17H75A0208	Kavya K	
	17H75A0243	Venkata Sai Vamsinadh D	
	17H75A0214	Naga Raju U	
	15H71A0273	Sri Datta K	
2	16H71A0241	Sandhya Rani M	Dr. Deepak Kumar
	16H71A0228	Priyanka M	
	16H71A0207	Ganesh Babu R	
	16H71A0220	Manoj Kumar K	
	17H75A0229	Sanjay Babu V	
3	16H71A0230	Raheem SK	Mr. A.V. Ravi Kumar
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5	17H75A0221	Pushpalatha Ch	Mr. M. Nageswara Rao
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	17H75A0242	Venkata Naga Niharika Ch	
	16H71A0238	Sai Vara Manindra G	
8	16H71A0247	Tharuni Anusha Reddy Ch	Mr. K.N. Swamy
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	16H71A0226	Prathyusha S	
	17H75A0236	Sukumar N	
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	17H75A0213	Naga Raju G	
	16H71A0229	Purna Chandra Reddy d	
	17H75A0215	Narendrababu M	
10	17H75A0218	Praveen Kumar Nayak B	Mr. N. Venu Babu
	16H71A0249	Venkata Aditya Sai L	
	16H71A0211	Harshavardhan K	
	16H71A0223	Navya Sri P	
11	17H75A0205	Harika M	Ms. N. Renuka Devi
	16H71A0212	Haveela J	
	15H71A0257	MOUNIKA P	
	17H75A0211	Manoj Kumar K	
12	17H75A0210	Manju Syamala D	Mrs. P. Durga Bhavani
	16H71A0210	Harsha Vardhan Katakam	
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13	17H75A0201	Akshay Kumar N	Mr. S. Ravikanth



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15	16H71A0202	Anjireddy K	Mr. Ajeet Kumar Singh
	17H75A0245	Vijaya Kesava D	
	16H71A0240	Saivenkataravindrareddy A	
	17H75A0240	Venkata Sai Krishna K	
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	17H75A0230	Shanmuk V	
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17	16H71A0214	JyothiSwaroop R	Mr. T. Jayaraju
	16H71A0201	Akhila P	
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	17H75A0241	Venkata Gopala Krishna N	
18	17H75A0202	Chandanasri T	Mr. A. Vamsi Krishna
	17H75A0207	Kameswara Rao R	
	16H71A0213	Hemanth Kumar Ch	
	16H71A0252	Venkatagopi M	
19	16H71A0248	Ushaswi U	Dr. S. Sateesh
	16H71A0232	Ramanuja M	
	16H71A0224	Pavani Y	
	16H71A0246	Suresh K	
20	17H75A0244	Vijay Lavakumar V	Dr. Deepak Kumar
	16H71A0231	Rajasekhar O	



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

Project Coordinator

Head of the Department

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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	(16H71A0202)
D.VijayaKesava	(17H71A0245)
A.S.V.Ravindra Reddy	(16H71A0240)
K.V.Sai Krishna	(17H71A0240)

**Under the esteemed guidance of
Mr.Ajeeth Kumar Singh, M.Tech
Assistant Professor
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2019-20



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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 Reddy, A.S.V.Ravindra Reddy, D.VijayaKesava, K.V.Sai Krishna 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. Anish Kumar Singh, M.Tech

Assistant Professor
Project Guide


Dr. Deepak Kumar, M.Tech, Ph.D

Professor
Head of the Department


Dr. Y. Sudheer Babu, Ph.D
Principal

Examiner

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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	(17H75A0232)
P.Bharat Kumar	(16H71A0204)
S.Vamsi	(17H75A0239)
S.Ashok Reddy	(16H71A0203)

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



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

Examiner

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



Smart Security Solution for Women Based on IOT

**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

G.V.D.U.Srikanth	(16H71A0250)
K.S.Sailusba	(17H75A0231)
B.S.Sowmya	(16H71A0237)
S.B.Sahithi	(16H71A0205)

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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	(16H71A0241)
M.Priyanka	(16H71A0228)
R.GaneshBabu	(16H71A0218)
V.Sanjay Babu	(17H75A0222)
K.Manoj Kumar	(17H75A0220)

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CERTIFICATE

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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	(17H75A0235)
R.LeelaSai	(16H71A0216)
R.Mahesh	(17H71A0209)
A.Likith	(16H71A0217)

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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.LeehaSai, 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.


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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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	(16H71A0248)
M.Ramanoja	(16H71A0232)
Y.Pavani	(16H71A0224)
K.Suresh	(16H71A0246)

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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 bonafide work done by U.Ushaswi, M.Ramamuja, Y.Pavani, K.Suresh 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.

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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)
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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.Hemant Kumar,M.VenkataGopi** 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.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

KAKINADA



Power Theft Detection 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

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

Under the esteemed guidance of

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Assistant Professor
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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

Under the esteemed guidance of

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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	(17H75A0244)
O.Rajasekhar	(16H71A0231)
D.MadhuMitha	(16H71A0218)
D.Rathan Kumar	(17H75A0222)

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Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

KAKINADA



Power Theft Detection Using Arduino

A project report submitted to the
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BACHELOR OF TECHNOLOGY

by

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

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Mr. N. Rajesh Babu, M.Tech, MBA, (Ph.D)
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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	(17H75A0237)
N.Sravya	(16H71A0243)
D.SaiDeepthi	(16H71A0234)
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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 Nehru 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.


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Dr. Deepak Kumar, M.Tech, Ph.D

Professor
Head of the Department


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Examiner

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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	(17H75A0210)
K.HarshaVardhan	(16H71A0210)
R.Teja	(17H75A0238)
K.Sandeep Kumar	(17H75A0228)

Under the esteemed guidance of

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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 Kumar 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.

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Dr.Deepakkumar, M.Tech, Ph.D
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Examiner

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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

M.Harika	(17H75A0205)
J.Haveela	(16H71A0212)
P.Mounika	(15H71A0257)
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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 Kumar 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.


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Assistant Professor
Project Guide


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


Dr. Y. Sudheer Babu, Ph.D
Principal

Examiner

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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	(17H75A0218)
L. VenkataAdityaSai	(16H71A0249)
P.Navyasri	(16H71A0223)
K.Harshavardhan	(16H71A0211)

Under the esteemed guidance of

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



Devineni Venkata Ramana & Dr. Hima Sekhar

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CERTIFICATE

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 by **B. Praveen Kumar Naik**, **L.VenkataAdityaSai,P.NavyasriP.Navyasri,K.Harshavaradhan** 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.


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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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	(17H75A0227)
Naga Raju G	(17H75A0213)
Purna Chandra Reddy D	(16H71A0229)
NarendraBabu M	(17H75A0215)

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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 Raju 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.



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Professor
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Dr. Y.SudheerBabu, Ph.D
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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	(17H71A0245)
S.PavanKalyan	(16H71A0225)
Y.N.D.Bhavani Rani	(17H75A0242)
B.Gowtham	(16H71A0238)

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CERTIFICATE

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 Nehru Technological University, Kakinada, is a bonafide work done by **N. Akshay Kumar, S.PavanKalyan, Y.N.D.Bhavani Rani,B.Gowtham** 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.


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Principal

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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	(17H71A0245)
B.Pradeep	(16H71A0225)
Ch.Venkata Naga Niharika	(17H75A0242)
G.SaiVaraManindra	(16H71A0238)

**Under the esteemed guidance of
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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.SaiVaramanindra 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.


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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**Photo Voltaic Grid Integration using Opposed Current Half 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	(17H75A0226)
K. Naveen Kumar	(17H75A0216)
K.SaiGowtham Reddy	(17H75A0224)
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CERTIFICATE

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. Sombabu** 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.


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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**Optimal Tuning of PID Controller Using Butterfly Optimization
Algorithm for Quadraped 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.Pushpalatha	(17H75A0221)
K. Ravi Teja	(17H75A0223)
G.Sai Krishna	(17H75A0225)
K. Rajasekhar	(17H75A0247)

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This is to certify that the seminar report entitled "Optimal Tuning of PID Controller Using Butterfly Optimization Algorithm for Quadraped 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.


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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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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)

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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 Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by D.Navya, B.Gayathri, M.LojiBabu, S. Pravallika 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.

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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)
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Under the esteemed guidance of

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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.

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KUMAR, M.Tech Professor
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Dr.Deepak Kumar, M.Tech, Ph.D
Mr.A.V.RAVI

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Principal

Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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

MSANDHYA RANI	(16H71A0241)
MPRIYANKA	(16H71A0228)
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K.MANOJ KUMAR	(16H71A0220)
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CERTIFICATE

This is to certify that the seminar report entitled "DESIGN AND ANALYSIS OF 2.45 GHz 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.

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Department of Mechanical Engineering

A.Y:2019-20

List of Major Projects

BATCH NO.	ROLL .NO	NAME	Title	GUIDE NAME
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	16H71A0338	Rasheed Sd		
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B2	17H75A0356	Venkata Sai P	Tribological behaviour of Hybrid Metal Matrix Composite of ZA27 using BN and B ₄ C as reinforcement	Mr.R. Ranjith Kumar
	17H75A0334	Ramesh C		
	17H75A0351	Vamsi Krishna K		
	16H71A0368	Lokesh V		
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B3	17H75A0315	Mahesh Naidu B	Prediction of material removal using Wire cut EDM on Nimonic alloy	
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B4	17H75A0303	Anil Kumar K	Statistical analysis of TIG welded stainless steel plates	Mr.K.Srinivas
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	17H75A0326	Naveen P		
	16H71A0358	Bhanu Prasad K		
	16H71A0361	Chandra Sekhar Reddy K		
B5	16H71A0367	Kondala Rao G	Design and analysis of machine tools elements for lathe spindle	Mr.B.Ashwini Kumar
	16H71A0347	Suman K		
	16H71A0390	Sai Tulasiram Ch		
	17H75A0320	Naga Aravind B		
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B6	16H71A0374	Narasimha Rao D	Design and analysis of pedal operated grass cutter	Dr.V.Srinivasa Sai
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	16H71A0305	Gopi Krishna M		
B7	17H75A0308	Ganesh Mani K	Performance improvement of solar still using PCM	Dr. Naveen Sharma
	16H71A0327	Noushad Shaik		
	17H75A0341	Saikrishna J		
	16H71A0360	Bheshman Sridatta K		
	16H71A0301	Ajay B		
B8	17H75A0328	Pavan Kumar K	Performance of analysis on Biodiesel using tamanu oil	Dr.G. Rajesh
	17H75A0352	Venka Mahesh Kumar Ch		
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B9	17H75A0354	Venkata Ramana A	Surveillance robot using rocker bogie mechanism	Ms.D. Divya
	16H71A0311	Indrababu B		
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B10	16H71A0339	Sai Akash B	TIG welding of aluminium 7xxx series alloy	Mr.Ch. Siva Naga Satish
	16H71A0317	Kusuma Haranadh M		
	17H75A0335	Rampandu B		
	16H71A0387	Sai Krishna V		
	17H75A0338	Sai Babu B		
B11	16H71A0335	Rakesh K	Microstructure and mechanical properties of TIG welded stainless steel plates	Mr.K.Srinivas
	17H75A0306	Dheeraj Krishna Nagendra A		
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B12	17H75A0318	Manikanth G	Performance analysis of pyramid type solar still	Dr. Naveen Sharma
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B13	17H75A0339	Sai Krishna B	Project needs to be reviewed	Mr.Ch. S R T Phani Sai
	17H75A0331	Prasanth K		
	16H71A0308	Guna Sekhar B		
	16H71A0321	Naga Dheeraj K		



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	16H71A0336	Rama Narasimha Rao O		
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B15	17H75A0301	Ahmed Basheer Sk	Development and testing of biodiesel using tobacco oil	Mr.N.Naresh Babu
	17H75A0345	Sri Harsha M		
	16H71A0334	Raj Kumar K		
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B16	16H71A0376	Naveed Ahamad Sd	Development of modified aluminium alloy for aerospace applications: Their structure property correlation	Dr.P.Bhagat Singh
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B17	16H71A0329	Pavan Kumar N	Design and fabrication of piezo electric shoes for military applications	Mr.M. Prasanth
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	16H71A0371	Mohammad Raffi Sk		
B18	17H75A0363	Gopi Krishna Ch	Design and modelling of a 3D printed material (APSSDC)	Mr.V.Gowtham Reddy
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	16H71A03A2	Vignan Teja G		
B19	16H71A0382	Rajesh M	Development and testing of biodiesel using proponal	Dr.G. Rajesh
	16H71A03A0	Venkata Sai Kumar T		
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	16H71A0392	Sasank R		
	16H71A0391	Sandeep Ch		
B20	16H71A0353	Venkata Naveen B	Development of compressed air technology vehicle	Mr. Y. Manideep Varma
	16H71A0372	Murali Sai B		
	16H71A0326	Narasimha Rao N		
	16H71A0320	Mani prasanna Kumar K		



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	16H71A0319	Mahaboob Sharief MD		
B21	16H71A0343	Sandeep B	Fabrication of raavi and jude composite and its complete study (APSSDC)	Mr.S.Sarath Chandra
	16H71A0364	Hardhik Hari Deep P		
	17H75A0302	Akhil P		
	16H71A0351	Uma Maheswar Rao D		
	16H71A0355	Azhar Akram Md		
B22	17H75A0323	Naga Sai Ravindra Sarma M	Improve its performance of VCR (Siemens Lab:APSSDC)	Mr.B.Hari Krishna
	17H75A0347	Syamprasad K		
	16H71A0363	Gopala Rao K		
	16H71A0357	Balnaga Ajay Susanth K		
	16H71A0342	Sailesh Buddi		
B23	17H75A0330	Prasad D	Development of nano fluids to reduce the friction in automobile pistons	Mr.M. Sai Krishna
	17H75A0305	Deeva Selva Samuel Das M		
	16H71A0306	Gopi V		
	16H71A0394	Sunny B		
	16H71A0307	Gowtham P		
B24	16H71A0309	Harish K	Tribological characteristics of aerospace materials	Dr.P.Bhagat Singh
	17H75A0355	Venkata Ramana E		
	17H75A0362	Yeswanth Babu N		
	16H71A0388	Sai Kumar N		
	16H71A0302	Asif Basha Sk		
B25	17H75A0336	Ravi Kumar B	Design and assembly of wind turbines (APSSDC)	Ms. K.Supriya
	16H71A0396	Udaykumar K		
	16H71A0350	Uday Bhaskar M		
	16H71A0312	Jagadish Babu V		
	16H71A0331	Prem Kumar Ch		
B26	17H75A0333	Prudviraj P	Design and anaysis of pressure vessel (NX lab)	Mr.Gaurav Saraf
	17H75A0322	Naga Manikanta T		
	17H75A0337	Roja Ram P		
	16H71A0375	Narayana J		
	16H71A0318	Leonard Sanjeev P		
B27	17H75A0327	Pardhu M	Development of high efficiency gas burner for various applications	Mr.B.Hari Krishna
	17H75A0359	Venu Gopal P		
	17H75A0332	Praveen G		
	16H71A0370	Manohar Ch		
	15H71A0323	Naveen Sai M		



B28	17H75A0317	Mani Kumar P	FEM analysis of fins (NX lab)	Mr.A.Naga Pavankumar
	16H71A0314	Jwala Venkata Narendra Ch		
	16H71A0332	Purdhvi Kumar P		
	17H75A0304	Chaitanya Praveen Surya Teja		
	15H71A03A3	Madhu Babu G		
B29	17H75A0357	Venkatesh K	Microstructure and mechanical properties of TIG welded stainless steel and mild steel	Mr.M. Prasanth
	16H71A0304	Ganesh M		
	16H71A0303	Asmatullah Sk		
	16H71A0337	Ramesh D		
	15H71A0336	Sena Sai Ram K		
B30	17H75A0319	Mohseen Raza Ab	Development of new CNG fuel for domestic applications	Mr.Gaurav Saraf
	17H75A0321	Naga Durga Jagadish B		
	16H75A0303	Rangiseti Gopi		
	17H75A0307	Dileep Vinay B		
	15H71A03B1	Pavan Ramakotesh K		
B31	16H71A0310	Harshavardhan Reddy Ch	Vibration analysis on hybrid natural composites	Mr.Ch. S R T Phani Sai
	16H71A0385	Sai Gokul R		
	16H71A0384	Ravindra Babu J		
	16H71A0356	Bala Akhil Sai P		
	15H71A0320	Manikanta Reddy S		
B32	17H75A0310	Jagadeesh S	Microstructures and Mechanical properties of ZA27 composite using BN and B ₄ C composites	Mr. R. Ranjith Kumar
	16H71A0349	Suraj Ch		
	17H75A0313	Kishore Krishna Chaitanya k		
	16H71A0383	Ramki R		

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
1	16H71A0423	Naga Pranavi V	Zone Warning System for Driver	Savitesh M Sharma
	16H71A0416	Jyothi T		
	16H71A0468	Gopi V		
	16H71A0425	Omkar M		
2	16H71A0462	Chandini A	Wireless Electronic Notice Board using GSM Technology	Goutam Kumar Gupta
	16H71A0427	Prathyusha K		
	16H71A04E2	Sai Karthik G		
	16H71A04B7	Devi Shyamlal D		
3	16H71A0456	A S R Ruthvik V	Hardware-Software Codesign for Fruitful Surveil of Aquatic Resource	BRK Singh
	16H71A0414	Hemani Jyothi K		
	16H71A0461	Chandana Ch		
	16H71A0499	Sri Swetha Hrudaya Raj B		
4	16H71A04C0	Gayathri Devi A	Compression Technique for 5G Vehicular Networks	Ch Pulla Rao
	16H71A0426	Pavan Kalyan K		
	16H71A0442	Sravanthi Y		
	16H71A04E7	Siva Sandeep M		
5	16H71A0497	Sharada G	Automated Attendance by Face Recognition	G. Anantha Lakshmi
	16H71A04D5	Premchand A		
	17H75A0407	Lakshmi Prasanna D		
	16H71A0434	Sai Krishna V		
6	16H71A0450	Vasavi Durga V	Automatic Fabric Defect Detection Using Image Processing	D. Rahul
	16H71A04F5	Ummar M		
	17H75A0411	Naganjani Harichandana N		
	16H71A04F9	Venu M		
7	16H71A04C5	Kavya G	Enhanced Detection of Diabetic Retinopathy Using Advanced Filters	S. Ramadevi
	16H71A0490	Sai Kiranmai T		
	16H71A04D2	Pavan Kalyan G		
	16H71A04F1	Suraj Issac J		
8	16H71A04D7	Ramya T	Signature Verification Systems	Y. Sruthi
	16H71A0457	Balarama Krishna Chowdary V		
	17H75A0416	Venkateswarlu Ch		
	16H71A04C4	Himabindhu M		
9	16H71A04D6	Ramcharan Reddy A	Deeplearning for Recognizing Human Activities Using Motions of Skeletal Joints	K. Veenanand
	16H71A0486	Pravallika M		
	16H71A0404	Aswini Krishna T		
	17H75A0417	Vishnu Vardhan Ch		



Batch No.	Roll No. of the Student	Name of the Student	Project Title	Name of the supervisor
10	16H71A04F6	Bhanu Venkata Sai Seetha Ram A	Real Time Security System Using Finger Vein Technology	T Sridevi
	16H71A04C6	Keerthinagapavani R		
	16H71A0422	Mounika M		
	16H71A04D3	Phanidra Kumar V		
11	16H71A0481	Naveen Chandra V	Two Wheel Self Balancing Robot Using Arduino	KSR Sastry
	16H71A04G1	Y V Gowthami		
	16H71A0436	Sandeep Kumar Reddy S		
	16H71A0480	Nasrin Sk		
12	16H71A0478	Meghana V	Arduino Based Radar System	G. Kiran Kumar
	16H71A0415	Jagadeesh Kumar P		
	16H71A04F8	Venkateswara Rao R		
	16H71A04C8	Lakshmi Prasanna B		
13	16H71A04E9	Sri Ram Sundeep Kumar Y	Design and Analysis of Microstrip Patch Antennas Using Artificial Neural networks	S. Ramadevi
	16H71A0419	Malyadri J		
	16H71A0408	Chetan P		
	16H71A0492	Sai Nikhil A		
14	16H71A04B2	Amrutha S	Implementation of Safety and Security System for Houseboats Using PIC Microcontroller	M.Manasa
	16H71A04B1	Alekhya M		
	17H75A0402	Achyuth Reddy K		
	16H71A0479	Mohan Sai Krishna Ch		
15	16H71A0498	Sireesha A	Cardiac Sentinel	L. Tiru Ganesh
	16H71A0464	Dilwar Pasha Sk		
	16H71A0429	Rahul Priyadarsana P		
	16H71A0471	Hyndavi M		
16	16H71A0402	Aneesha Sk	Stress Level Indicator Using Sensor Signals and MATLAB Program	S.T Mrudula
	16H71A0417	Kalyani Ch		
	17H75A0414	Narendra Chowdary N		
	16H71A0485	Prabhu Sai Kiran K		
17	16H71A0496	Shanumukha S	Wireless Surveillance Robot with Motion Detection and Live Video Transmission and Gas Detection	B.Y. Gopinath
	16H71A0428	Preethichandana K		
	16H71A04A0	Srinitha B		
	16H71A04F7	Venkatesh S		
18	16H71A04E4	Sai Ram M	Performance Analysis of Different Bit Carry Look Ahead Adder Using VHDL	Ch. Lakshmana
	16H71A0455	Yuva Vardhini T		
	16H71A04A2	Srujana B		
	16H71A0484	Pavan Kumar T		
19	16H71A0463	Devi B	Field Monitoring and Controlling	K.Thirupathi Rao
	17H75A0405	Jayaaraghuvardhan D		
	17H75A0412	Nagaveni V		
	16H71A04D4	Prasanth P		
	16H71A0477	Mahesh Babu M		



20	17H75A0415	Rajeswari T	Straddling Bus	Ch. Harika
	16H71A04A8	Venkata Vishnu Sai M		
	16H71A04A3	Saikerthana G		
	16H71A04E0	Sadiq Sk		
21	16H71A0430	Rajasekhar Reddy T	Opportunistic Routing Algorithm for Relay Node Selection in Wireless Sensor Network	Raj Kumar Jaiswal
	16H71A0441	Siva Satish Kumar P		
	16H71A04E6	Saradhi T		
	16H71A04G0	Vijay Kumar T		
22	16H71A0451	Venkata Lakshmi Pavithra N	An Unmanned Multi-Purpose Army Robot Using Camouflag	B.Anitha
	17H75A0413	Nanda Gopal P		
	16H71A04E1	Sai Bhavya V		
	16H71A0439	Sesha Sai Jagannath A		
23	16H71A04D9	Sabeha Sultana Sd	Detecting the IP Theft Using Scan Side Channel	G. Sivarama Krishna
	16H71A0411	Divvy Nagini Y		
	16H71A04D1	Naga Sahith D		
	16H71A0444	Srinivas B		
24	16H71A0467	Geetha Y	Women Security System Using IOT	B. Y. Gopinath
	16H71A04F4	Tejaswini R		
	16H71A0440	Siva Naga Krishna D		
	17H75A0410	Naga Venkata Surya Chaitanya Y		
25	17H75A0409	Mounika B	Advanced Driver Assistance System	G. Naga Lakshmi
	17H75A0401	Abhilash A		
	16H71A0459	Bhavana N		
	16H71A0431	Ravi Raja M		
	16H71A0469	Gopinadh G		
26	16H71A04B3	Amulya R	Smart Blind-Stick for Visually Impaired	Savitesh M Sharma
	16H71A04E5	Sampath K		
	16H71A04C3	Hema V		
	16H71A0482	Naveen K		
27	16H71A0405	Bharathi A	A New CDMA Encoding and Decoding Method for On-Chip Communication network	Goutam Kumar Gupta
	16H71A04C9	Manasa Ch		
	17H75A0403	Ajith P		
	16H71A0452	Venkata Sai Ganesh M		
28	16H71A04F3	Tejaswi G	Car Black Box System	BRK Singh
	16H71A04E3	Sai Madhuri G		
	16H71A0447	Tejasri D		
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29	16H71A04C7	Kumar Abhinav S	Camouflaged Foreground Detection with Convental Methods	Ch Pulla Rao
	16H71A04D0	Mounika Sri N		
	16H71A04A3	Supriya P		
	16H71A0437	Sankar K		
30	16H71A0454	Venkatesh K	A High Flexible, Low Latency Memory based FFT Processor for 4G,WLAN and Future 5G	G. Anantha Lakshmi
	16H71A04E8	Sravya D		



	16H71A0472	Jaya Sree N		
	16H71A0453	Venkata Sai Koushic Varma P		
31	16H71A04D9	Revanth Kumar B	Grading of Rice Grains by Image Processing	D. Rahul
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	16H71A04A6	Vamsi Krishna G		
	16H71A0476	Lalitha V		
32	16H71A04A7	Venkata Lakshmi Kalyani T	A Novel Approach of MRI-CT Image Fusion Using CWT for Finding Disease Location	L. Tiru Ganesh
	16H71A0401	Abdul Aleem Baig M		
	16H71A04A1	Srinu K		
	16H71A0460	Chaithanya B		
33	16H71A0448	Tejaswini P	Impulse Noise Reduction Using Modified Median Filter Based on Direction Index	Y. Sruthi
	17H75A0404	Harika K		
	16H71A04B8	Durga Venkatesh P		
	16H71A0489	Sai Hari Y		
34	16H71A04C1	Harika M	Detecting and Counting of Neurons in the Proteomic and Genomic Image Data	K. Veenanand
	16H71A0483	Pavan Giri Shashank K		
	16H71A0413	Gopichand G		
	16H71A0407	Bhavya J		
35	16H71A0446	Supraja G	Smart Plug Using IOT	T Sridevi
	16H71A04B5	Bhavya Durga Z		
	16H71A04A5	Syam Kishore U		
	16H71A0494	Sairam D		
36	16H71A0475	Lakshmi Tejaswani B	Child Safety Wearable Device	KSR Sastry
	16H71A0406	Bhavani Reddy J		
	16H71A0474	Kiran Kumar R		
	16H71A04B9	Galibsaida Sk		
37	16H71A0473	Jayalakshmi Bhargavi D	A Smart ATM Security System Using Raspberri pi	G. Kiran Kumar
	16H71A0465	Finny Prem Kumar D		
	16H71A0409	Chinnamaya Chari A		
	16H71A0420	Maneesha P		
38	16H71A0458	Bhargavi M	Power Generating Shoes	K. Thirupathi Rao
	16H71A0445	Sukanya Y		
	17H75A0408	Mobeen Ashraf Md		
	16H71A0412	Gopichand Ch		
39	16H71A0488	Sai Gopal J	Automatic Ration Material Distribution Based on GSM and RFID Technology	ST Mrudula
	16H71A0468	Gurusai Kiran Y		
	16H71A0495	Shanmukha Brahma R		
	16H71A0438	Sardahar Hussain Sk		
40	16H71A04C2	Hasmitha Ch	Farmboat Using Arduino	Ch. Lakshmana
	16H71A0410	Dileep Siva Sai Ch		
	16H71A0432	Sai Krishna A		
	16H71A04A4	Swetha M		



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Project location: UTS, Hyderabad.

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41	17H75A0406	Lakshmi Deepika S		D.Rahul

Signature of Coordinator

K.Thirupathi Rao

Signature of HoD

(Dr.Ch.Pulla Rao)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



“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)

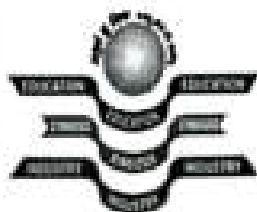
K Pavan Kalyan (16H71A0426)

Y Sravanthi (16H71A0442)

M Siva Sandeep (16H71A04E7)

Under the Esteemed Guidance of
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2019 - 2020

CERTIFICATE

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 Srayanthi (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


Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KARNATAKA



**"CAMOUFLAGED FOREGROUND DETECTION WITH
CONVENTIONAL METHODS"**

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

**BACHELOR OF TECHNOLOGY
in
ELECTRONICS & COMMUNICATION ENGINEERING**

Submitted by

S. KUMAR ABHINAV (16H71A04C7)

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P. SUPRIYA (16H71A04A3)

K. SANKAR (16H71A0437)

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Mr. CH. PULLA RAO
Associate Professor

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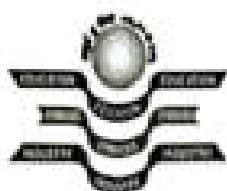


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CERTIFICATE

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Project Supervisor


(Dr. Goutam Kumar Gupta)
Head of the Department


(Dr. Y. Sudheer Babu)
Principal


Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**“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
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Associate Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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

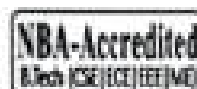
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CERTIFICATE

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 Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Dr.Goutam Kumar Gupta)
Project Supervisor

(Dr. Goutam Kumar Gupta)
Head of the Department

(Dr. Y. Sudheer Babu)
Principal

T. Rao
Examiner I

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"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)

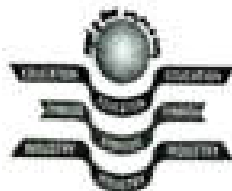
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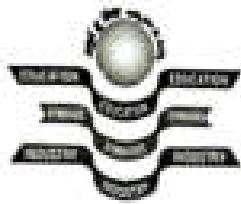
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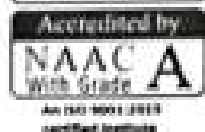
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2019-2020



CERTIFICATE

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.

(Dr.Goutam Kumar Gupta)

Project Supervisor

(Dr. Goutam Kumar Gupta)

Head of the Department

(Dr. Y. Sudheer Babu)

Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



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

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. 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

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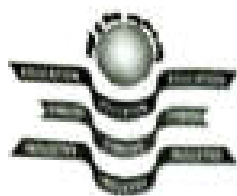
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This is to certify that the Main Project entitled "DETECTING AND COUNTING OF NEURONS IN THE PROTEOMIC AND GENOMIC IMAGE DATA" is a bonafide work carried out by **M. HARIKA (16H71A0401)**, **K. PAVAN GIRI SHASHANK (16H71A0483)**, **G. GOPICHAND (16H71A0413)** 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.



(Mr. K. Veenanand)

Project Supervisor



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Head of the Department



(Dr. Y. Sudheer Babu)

Principal



Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**“DEEP LEARNING FOR RECOGNIZING HUMAN ACTIVITIES USING
MOTIONS OF SKELETON JOINTS”**

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.RAM CHARAN REDDY (16H71A04D6)

MLPRAVALLIKA (16H71A0486)

T.ASWINI KRISHNA (16H71A0404)

CILVISHNU VARDHAN (17H75A0417)

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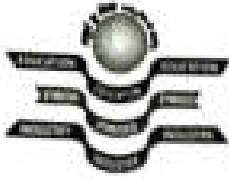


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This is to certify that the Main Project titled "DEEP LEARNING FOR RECOGNIZING HUMAN ACTIVITIES USING MOTIONS OF SKELETON JOINTS" is a bonafide work carried out by A. RAM CHARAN REDDY (16H71A04D6), M. PRAVALLIKA (16H71A0486), T. ASWINI KRISHNA (16H71A0404)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


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(Dr. Y. Sudheer Babu)
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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"SECURITY ALERT USING RASPBERRY PI"

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

D. J. LAKSHMI BHARGAVI (16H71A0473)

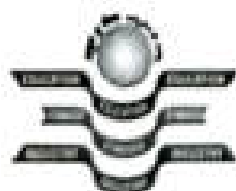
D. FINNY PREM KUMAR (16H71A0465)

A. CHINNAMAYA CHARI (16H71A0409)

P. MANEESHA (16H71A0420)

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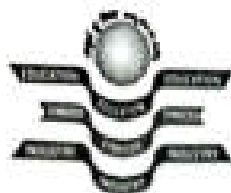


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This is to certify that the Main Project entitled "SECURITY ALERT USING RASPBERRY PI" is a bonafide work carried out by D. JAYA LAKSHMI BHARGAVI (16H71A0473), D. FINNY PREM KUMAR (16H71A0465), A. CHINNAMAYA CHARI (16H71A0409) and P. MANEESHA (16H71A0420) 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



Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"ARDUINO BASED RADAR AND SURVILLANCE SYSTEM"

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

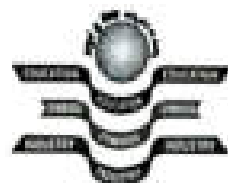
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Submitted by

V. MEGHANA (16H71A0478) P. JAGADISH KUMAR (16H71A0415)
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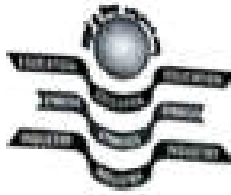
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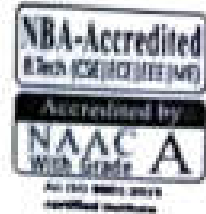




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This is to certify that the Main Project which is entitled with "ARDUINO BASED AND SURVILLANCE SYSTEM" is a bonafide work carried out by V. MEGHANA (16H71A0478), P. JAGADISHKUMAR (16H71A0415), R. VENKATESH SWARAO (16H71A04F8), B. LAKSHMI PRASANNA (16H71A04C8) 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.


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Project Supervisor


(Dr. GOUTAM KUMAR GUPTA)
Head of the Department


(DR. Y. SUDHEER BABU)
Principal


Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**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)

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T. Rao

(Mr. K.Thirupathi Rao)

Seminar Supervisor

GK

(Dr. Goutam Kumar Gupta)

Head of the Department

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



“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	(16H71A0485)
U.SHYAM KISHORE	(16H71A04A5)	D.VENKATA SAI RAM	(16H71A0494)

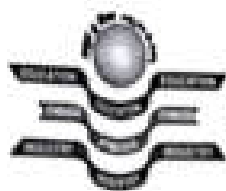
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This is to certify that the Main Project entitled "SMART PLUG USING IOT" is a bonafide work carried out by G.SUPARAJA(16H71A0446), Z.BHAVYA DURGA (16H71A0485), U.SHYAM KISHORE(16H71A04A5) and D.VENKATA SAI RAM (16H71A0494) in partial fulfillment for 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. T. Sri Devi)
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Head of the Department


(Dr. Y. Sudheer Babu)
Principal


Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



“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

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R. KEERTHI NAGA PAVANI (16H71A0414)

M. MOUNIKA (16H71A0422)

V. PHANINDRA KUMAR (16H71A04D3)

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Devineni Venkata Ramana & Dr. Hima Sekhar

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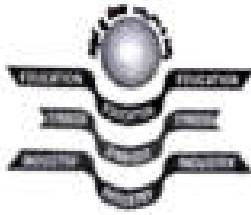
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This is to certify that the Main Project entitled "REAL TIME SECURITY SYSTEM USING FINGER VEIN TECHNOLOGY" is a bonafide work carried out by, A. Bhanu Venkata Sai Seetharam (16H71A04F6), R. Keerthi Naga Pavani (16H71A0422), M. Mounika (16H71A0422), V. Phanidhra 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.


(Mrs. T. Sridevi)

Project supervisor


(Dr. Goutam Kumar Gupta)

Head of the Department


(Dr. Y. Sudheer Babu)

Principal


Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"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

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D. Sravya(16H71A04E8)

N. Jayasree(16H71A0472)

P Venkata Sai Koushie Varma(16H71A0453)

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Mrs.G.Anantha Lakshmi, M.Tech
Assistant Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar
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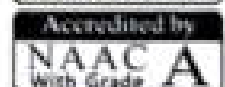
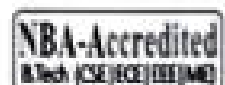
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CERTIFICATE

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 koushik 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.


(Mrs. G. Anantha Lakshmi)
Project Supervisor


(Dr. Goutam Kumar Gupta)
Head of the Department


(Dr. Y. Sudheer Babu)

Principal


Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"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)

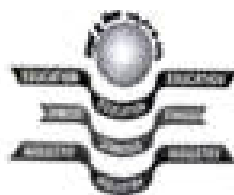
D. Sravya(16H71A04E8)

N. Jayasree(16H71A0472)

P. Venkata Sai KoushieVarma(16H71A0453)

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

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Devineni Venkata Ramana & Dr.Hima Sekhar
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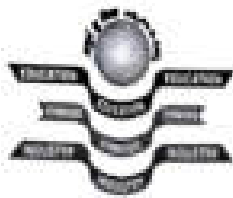
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With Grade **A**

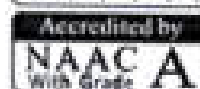
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(Mrs. G. Anantha Lakshmi)

Project Supervisor


(Dr. Goutam Kumar Gupta)

Head of the Department


(Dr. Y. Sudheer Babu)

Principal


Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"AUTOMATED ATTENDANCE USING FACE RECOGNITION"

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

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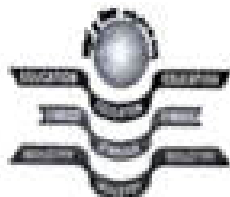
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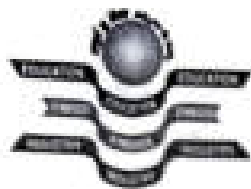
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CERTIFICATE

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.


(Mrs. G. Anantha Lakshmi)
Project Supervisor


(Dr. Goutam Kumar Gupta)
Head of the Department


(Dr. Y. Sudheer Babu)
Principal


Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"REAL TIME MANHOLE MONITORING SYSTEMS"

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

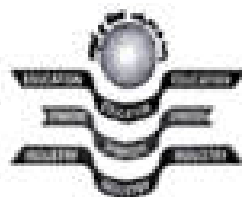
BACHELOR OF TECHNOLOGY
in
ELECTRONICS & COMMUNICATION ENGINEERING

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

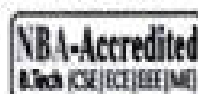
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar
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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)
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(Dr. Goutam Kumar Gupta)
Head of the Department


(Dr. Y. Sudheer Babu)
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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"Advanced rider assistance system"

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

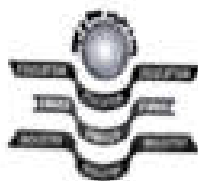
**BACHELOR OF TECHNOLOGY
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Submitted by

A.Abhilash (17H75A0401) B.Mounika(17H75A0409) N.Bhavana (16H71A0459)
M.Ravi raja (16H71A0431) G.Gopinadh (16H71A0469)

Under the Esteemed Guidance of
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2019-2020

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Accredited by
NAAC
With Grade **A**

An ISO 9001:2008
Certified Institute

CERTIFICATE

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 Nehru Technological University Kakinada during the year 2018-19.

(G.Naga Lakshmi)

Project Supervisor

(Dr. Goutam Kumar Gupta)

Head of the Department

(Dr. Y. Sudheer Babu)

Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**“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 (16H71A0488) R.SHANMUKHA BRAHMA (16H71A0495)
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Under the Esteemed Guidance of
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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

(Dr. Y. Sudheer Babu)
Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"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)

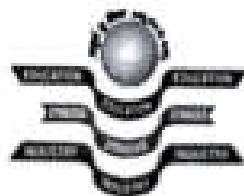
Y.DIVYA NAGINI (16H71A0411)

D.NAGA SAHITH (16H71A04D1)

B.SRINIVAS (16H71A0444)

Under the Esteemed Guidance of
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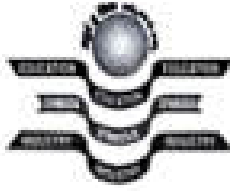
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Certified Institute



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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 (16H71A0441), 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. Goutam Kumar Gupta)
Head of the Department



(Dr. Y. Sudheer Babu)
Principal



Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**“VHDL IMPLEMENTATION OF PROGRAMMABLE DIRECT
FREQUENCY SYNTHESIZER FOR DIGITAL COMMUNICATION
APPLICATIONS”**

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

S. LAKSHMI DEEPIKA (17H75A0406)

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

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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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

(Dr. Y. Sudheer Babu)
Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"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 (16H71A0435)

SK. SADIQ (16H71A04E0)

Under the Esteemed Guidance of

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

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
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2019-2020



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(Ms. Ch. HARIKA)
Project Supervisor

(Dr. Goutam Kumar Gupta)
Head of the Department

(Dr. Y. Sudheer Babu)

Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"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 (16H71A04B1)
K. ACHYUTH REDDY (17H75A0402) CH. MOHAN SAI KRISHNA (16H71A0479)

Under the Esteemed Guidance of
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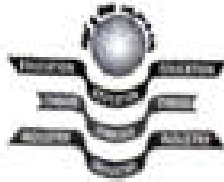
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CERTIFICATE

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 Jawaharlal Nehru Technological University Kakinada during the year 2019-20.


(Mrs. M. Manasa Lakshmi)
Project Supervisor


(Dr. Goutam Kumar Gupta)
Head of the Department


(Dr. V. Sudheer Babu)
Principal


Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**“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)

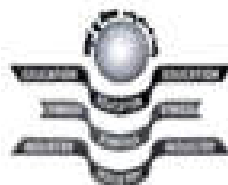
P.SIVA SATISH KUMAR (16H71A0441)

T.SARADHI (16H71A04E6)

T.VIJAY KUMAR (16H71A04G0)

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

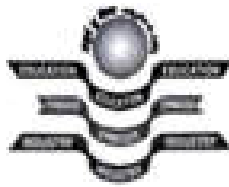
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni VenkataRamana & Dr. HimaSekhar
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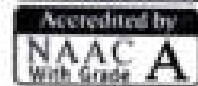
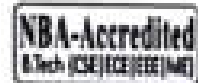




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CERTIFICATE

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 Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mr. Rajkumar Jaiswal)

Project Supervisor

(Dr. Goutam Kumar Gupta)

Head of the Department

(Dr. Y. Sudheer Babu)

Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"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. SETHA SAI JAGANNATH (16H71A0439)

Under the Esteemed Guidance of
Mrs. B. ANITHA, M.Tech.,
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

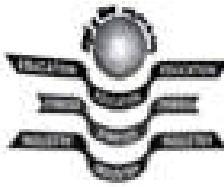


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2019-2020

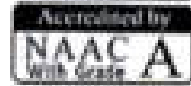
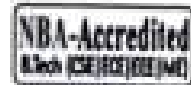




Devineni VenkataRamana & Dr. Hima Sekhar
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2019-2020



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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. SSHA SAI JAGANNATH (16H71A0439) 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. B. Anitha)

Project Supervisor

(Dr. Goutam Kumar Gupta)

Head of the Department

(Dr. Y. Sudheer Babu)

Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"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)

K. Sampath (16H71A04E5)

V. Hema (16H71A04C3)

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

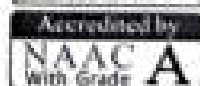
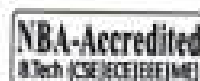
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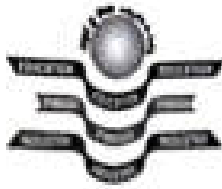
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Devineni Venkata Ramana & Dr.Hima Sekhar
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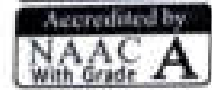
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CERTIFICATE

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 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 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



“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)

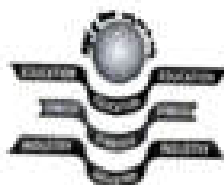
T Jyothi (16H71A0416)

V Gopi (16H71A0468)

M Omkar (16H71A0425)

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

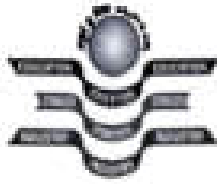
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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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. Savitash M Sharma)
Project Supervisor

(Dr. Goufani Kumar Gupta)
Head of the Department

(Dr. Y. Sudheer Babu)
Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"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 Muluru (16H71A04E4)

Yuva 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



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

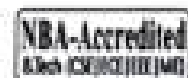
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2019-2020



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), Yava Vardhini Tadikonda (16H71A0455), Srujana Bapanapalli (16H71A04A2) and Pavan Kumar Teegala (16H71A0484) 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 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"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 (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

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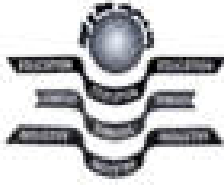
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CERTIFICATE

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 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**“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

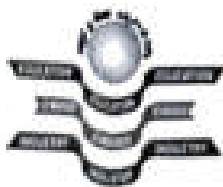
**BACHELOR OF TECHNOLOGY
in
ELECTRONICS & COMMUNICATION ENGINEERING**

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

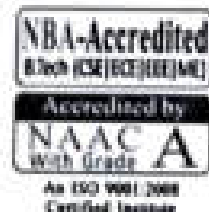
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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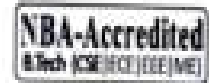




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This is to certify that the Main Project entitled "Automatic Fabric Defect Detection System Using Image Processing" is a bonafide work carried out by V.Vasavi Durga (16H71A0450), MD. Ummar (16H71A04F5), N. Naganjani Harichandana (17H75A0411), M. Venu (16H71A04F9) in partial 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. Thirupathi Rao)
Project Supervisor

(Dr. Goutam Kumar Gupta)
Head of the Department

(Dr. Y. Sudheer Babu)
Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"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



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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 Jawaharlal 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

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"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
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2019-2020

NBA-Accredited
& Tech (CSE|ECE|EEE|ME)

Accredited by
NAAC
with Grade **A**

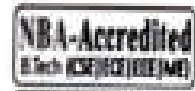
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2019-2020



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CERTIFIED INSTITUTE

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 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 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



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

T.Ramya (16H71A04D7)
CH.Venkateswarlu(17H75A0416)

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

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

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Devineni Venkata Ramana & Dr.Hima Sekhar
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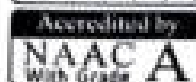
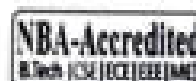
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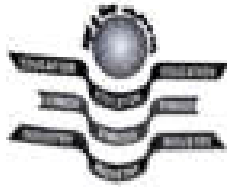
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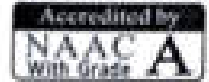
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This is to certify that the Main Project entitled "Signature Verification System" is a bonafide work carried out by T.Ramya (16H71A04D7), V.Balarama Krishna Chowdary (16H71A0457), CH.Venkateswarlu(17H75A0416), M.HimaBindhu(16H71A04C4) in partial fulfillment 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

T. Rang
Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"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

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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

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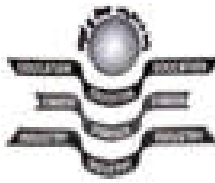
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2019-2020



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 Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mrs. Y. Sruthi)
Project Supervisor

(Dr. Goufam Kumar Gupta)
Head of the Department

(Dr. Y. Sudheer Babu)
Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"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
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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 Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2019-20.

(Mr. L. Tiru Ganesh)

Project Supervisor

(Dr. Goutam Kumar Gupta)

Head of the Department

(Dr. Y. Sudheer Babu)

Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



“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)

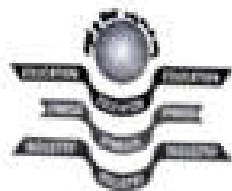
Under the Esteemed Guidance of
Mr. L. TIRU GANESH, M. Tech,
Assistant Professor

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Devineni Venkata Ramana & Dr.Hima Sekhar
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2019-2020





Devineni Venkata Ramana & Dr.Hima Sekhar

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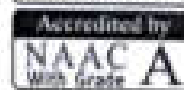
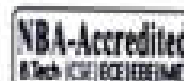
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An ISO 9001:2015
certified Institute

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.

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Project Supervisor

(Dr. Goutam Kumar Gupta)

Head of the Department

(Dr. Y. Sudheer Babu)

Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"DETECTION OF DIABETIC RETINOPATHY USING RETINAL IMAGES"

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

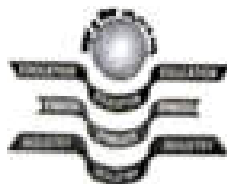
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in
ELECTRONICS & COMMUNICATION ENGINEERING

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
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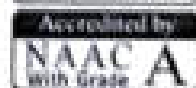
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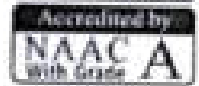
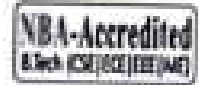
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CERTIFICATE

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. KAVYA (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

(Dr. Y. Sudheer Babu)

Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"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)

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CETHAN, P

(16H71A0408)

SAI NIKHIL, A (16H71A0492)

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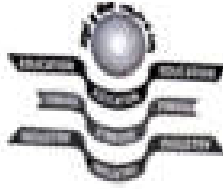
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2019-2020

NBA-Accredited
U-26 (2019/2021)

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With Grade
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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.

(Mrs. S. Ramadevi)
Project Supervisor

(Dr. Goutam Kumar Gupta)
Head of the Department

(Dr. Y. Sudheer Babu)
Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



“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)

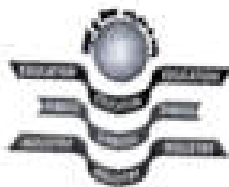
R. TEJASWINI (16H71A04F4)

D. SIVA NAGA KRISHNA (16H71A0440)

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

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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2019-2020

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NAAC A
With Grade

An ISO 9001:2008
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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)
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Head of the Department

(Dr. Y. Sudheer Babu)
Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**“WIRELESS SURVEILLANCE ROBOT WITH MOTION DETECTION
AND LIVE VIDEO TRANSMISSION AND GAS DETECTION”**

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

S. SHANMUKHA(16H71A0496)

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B. SRINITHA (16H71A04A0)

S. VENKATESH (16H71A04F7)

Under the Esteemed Guidance of
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This is to certify that the Main Project entitled "WIRELESS SURVEILLANCE 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.

(Mr. B. YOGI GOPINATH)

Project Supervisor

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"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)

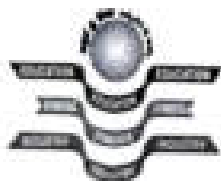
G. SAI MADHURI(16H71A04E3)

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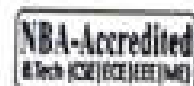
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

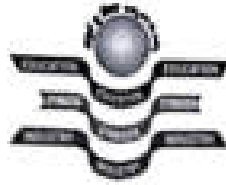


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(Mr. B. Radha Krishna Singh)

Project Supervisor

(Dr. Goutam Kumar Gupta)

Head of the Department

(Dr. Y. Sudheer Babu)

Principal

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**“HARDWARE SOFTWARE CODESIGN FOR FRUITFUL SURVEIL OF
AQUATIC RESOURCE”**

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)

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Devineni Venkata Ramana & Dr. Hima Sekhar

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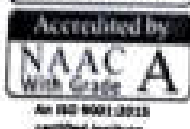
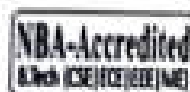
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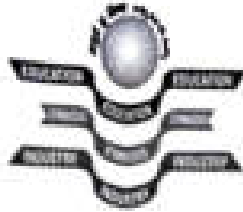
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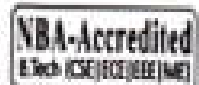
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2019 - 2020



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This is to certify that the Main Project entitled with "HARDWARE SOFTWARE CODESIGN FOR FRUITFUL SURVEIL OF AQUATIC RESOURCE" 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 Jawaharlal 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 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"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 (16H71A00F3)

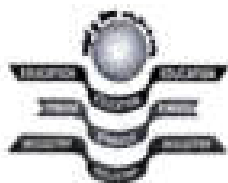
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D. TEJASRI(16H71A0447)

M. SRILEKHA (16H71A0443)

Under the Esteemed Guidance of
Mr.B.Radha Krishna Singh,M.Tech, MIE, DCHE.,
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

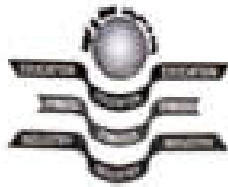


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2019-2020



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 Kumar Gupta)

Head of the Department

(Dr. Y. Sudheer Babu)

Principal

T. Ravi
Examiner 1

Examiner 2

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



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.



2019-20

I



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.



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



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

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2019-20



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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)

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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. Srilakshmi)

Project Guide

(Dr. Y. Sudheer Babu)

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Head of the Department

Principal

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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)

Prasanth Kumar G (16H71A0531)

Ramya G (16H71A0535)

Kartheek M (16H71A0515)

Under the Guidance of

Ms. L Kanya Kumari

Assistant Professor

Department of Computer Science & Engineering



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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.

L Kanya Kumari
(Guide Name)

L. KANYA KUMARI
(Head of the Department)

Examiner

Dr. Y. SUDHEER BABU
(Principal)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**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)

MD.AYESHA FATHIMA(16H71A0567)

P.RAMU(16H71A0595)

SK.SANAVULLA(16H71A05A1)

Under the Esteemed Guidance of

Ms. CH. SABITHA KIRAN

Assistant Professor

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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

Examiner

Dr. Y.SUDHEER BABU

Principal

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**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
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Department of Computer Science & Engineering



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

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Devineni Venkata Ramana & Dr. Hima Sekhar
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CERTIFICATE

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

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



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

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**Devineni Venkata Ramana & Dr Hima Sekhar
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Kanchikacherla - 521180, Krishna Dist. A.P.



2019-2020



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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)

Project Guide

(Ms. L. Kanya Kumari)

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 OF TECHNOLOGY

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



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CERTIFICATE

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

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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

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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



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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



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2019-20



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Kanchikacherla - 521180, Krishna Dist. A.P.



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

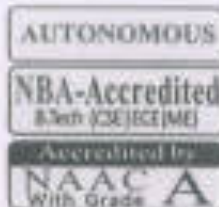
Dr. Y. SUDHEER BABU
(Principal)



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

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DEPARTMENT OF COMPUTER APPLICATIONS

MCA MAJOR PROJECTS LIST

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 Verifiability 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 Competitors 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 (Comparison 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	Optimization of User-Item Matrix Using SGD (Stochastic Gradient Descent) for Movie 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.SatyaNarayana	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	Lurdbu 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 Method 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)



HEAD OF THE DEPARTMENT

(Mrs. L. Kanya Kumari)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



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Effective People Effective Culture

**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



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MIC College of Technology

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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. Keerthi
Ms. K Keerthi
 (Project Guide)

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

Examiner



Dr. Y. Sudheer Babu
Dr. Y. SUDHEER BABU
 (Principal)

Dr. Y. SUDHEER BABU, Ph.D., IITM
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CERTIFICATE

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. Swami

Mr. K. Swami
(Project Guide)

L. Kanyakumari

Ms. L. Kanyakumari
(Head of the Department)

Examiner



Y. Sudheer Babu
Dr. Y. SUDHEER BABU
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Dr. Y. SUDHEER BABU, Ph.D, IITM
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Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
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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 fulfillment of the requirements of the degree.

S. Kalyan Kumar

KALYAN KUMAR SURTHANI
[17H71F0008]

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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.


Mrs. B. Varun Prasad
Associate Professor


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

Examiner




Dr. Y. SUDHEER BABU
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Dr. Y. SUDHEER BABU, Ph.D., IITM
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**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



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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, Jawaharlal 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.

Ch. Sabitha
(Project Guide)

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

Examiner



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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

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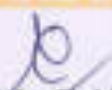
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CERTIFICATE

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
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Examiner




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**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

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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 Chakravarthy
 (Project Guide)


Ms. L Kanya Kumari
 (Head of the Department)

Examiner




Dr. Y. SUDHEER BABU
 (Principal)
 Dr. Y. SUDHEER BABU, Ph.D., IITM
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**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)

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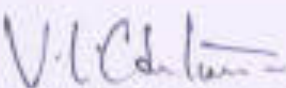
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This is to certify that the project report entitled "**Optimization of User-Item Matrix using SGD (Stochastic Gradient Descent) for Movie Recommendation Systems**" being submitted for the partial fulfillment of the requirements for the award of the 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
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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.


 Md. Eliaz
 (Project Guide)


 Ms. L. Kanyakumari
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Examiner




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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.



Devineni Venkata Ramana & Dr. Hima Sekhar
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CERTIFICATE

This is to certify that the project report entitled **"DETECTING PHISHING ATTACKS USING NATURAL 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. Satyanarayana

Mr. K. Satyanarayana
 (Project Guide)

L. Kanyakumari

Ms. L. Kanyakumari
 (Head of the Department)

Examiner



Y. Sudheer Babu

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Dr. Y. SUDHEER BABU, Ph.D., IITM
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K. Satyanarayana

Mr. K. Satyanarayana
 (Project Guide)

L. Kanyakumari

Ms. L Kanyakumari
 (Head of the Department)

Examiner



Dr. Y. Sudheer Babu

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ACKNOWLEDGEMENT

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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 bona 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)


Ms. L. Kanyakumari
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Examiner




Dr. Y. SUDHEER BABU
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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. Sudbeer Babu**, principal of **Devineni Venkata Ramana &Dr. Hima Sekhar MIC College of Technology, Kanchikacherla**for 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 heartfelt thanks for supervision, smooth co-ordination, inspiration and timely help to complete this project work.

Finally, I take this opportunity to extend my full-hearted 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)



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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 Pidaparathi
(Regd.No.17H71F0021)

Under the Esteemed Guidance of

Mr. J. Venkata Krishna
Assistant Professor

Department of Computer Science & Engineering



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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 pidaparathi 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
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Mrs. L Kanya Kumari
(Head of the Department)

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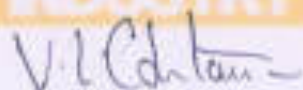
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CERTIFICATE

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
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Ms. L. Kanyakumari
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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 fulfillment of the requirements of the degree.



Gonela Venkata Gopi
[17H71F0024]

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KAKINADA



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**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

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

Examiner



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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.


Lavanya
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ACKNOWLEDGEMENT

I express my deep sense of gratitude and indebtedness 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
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**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

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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.


Mr. J. Rangarajesh
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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, Jawaharlal Nehru Technological University, Kakinada, is a bona fide work done by **KETHEPALLI MALLIKHARJUNA RAO** bearing Regd.No.18H75F0006 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. Narasimha Rao
 (Project Guide)

Examiner



Ms. L. Kanyakumari
 (Head of the Department)

Dr. V. SUDHEER BABU
 (Principal)

Dr. Y. SUDHEER BABU, PRINCIPAL
 Devineni Venkata Ramana & Dr. Hima Sekhar
 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. Mallikharjuna Rao

KETHEPALLI MALLIKHARJUNA RAO
[18H75F0006]

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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**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)

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CERTIFICATE

This is to certify that 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.

INDUSTRY

SYMBIOSIS

INDUSTRY

K. Keerthi

Ms k.keerthi

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Examiner



Dr. Y. Sudheer Babu

Dr Y. SUDHEER BABU
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Dr. Y. SUDHEER BABU, Ph.D, IITM
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**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

ANISSETY PRASAD

(Regd.No.18H75F0008)

Under the Esteemed Guidance of

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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 Sri Lakshmi

(Project Guide)

Ms. L. Kanyakumari

(Head of the Department)

Examiner



Dr. Y. SUDHEER BABU

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Dr. Y. SUDHEER BABU, Ph.D.,ITM
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**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

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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.


INDUSTRY

SYMBIOSIS

INDUSTRY

INDUSTRY


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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, Kakinda, is a bonafide 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.

INDUSTRY

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J. Ranga Rajesh

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ACKNOWLEDGEMENT

I express my deep sense of gratitude and indebtedness 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.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



JNTU KAKINADA

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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**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

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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.



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**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



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2019-2020



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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 Bonafide 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.Madhavi
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**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



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INDUSTRY

INDUSTRY

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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

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Under the Esteemed Guidance of

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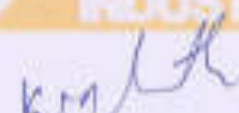



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This is to certify that the project report entitled "Best Keywords Cover Search" being submitted for the partial fulfillment of the requirements for the award of the degree Master of Computer Applications, Jawaharlal Nehru Technological University, 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.




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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.



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