

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



**STRENGTH PERFORMANCE OF LIGHT WEIGHT
CONCRETE USING PUMICE STONE**

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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2018-2019



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CERTIFICATE

This is to certify that the project report entitled "STRENGTH PERFORMANCE OF LIGHT WEIGHT CONCRETE USING PUMICE STONE" BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a bonafied work done by A. KUMARA SWAMY, M. AISHWARYA RANI, G. NIVEDITHA, P. CHARAN TEJ, CH. RAVI CHAND bearing Registration number 15H71A0109, 15H71A0131, 15H71A0121, 15H71A0106 and 15H71A0130 under my guidance during the academic year 2018-19 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



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EXTERNAL EXAMINER

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



MODELLING FOR DETERMINING SOURCE MECHANISM OF EARTHQUAKES

Submitted to

Jawaharlal Nehru Technological University Kakinada
In partial fulfilment for the award of the degree of

BACHELOR OF TECHNOLOGY

In

DEPARTMENT OF CIVIL ENGINEERING

Submitted by

K. Amrutha (15H71A0102)

A. Sai Reddy (15H71A0148)

K. Jyothirmai (15H71A0114)

B. Venu Gopal (15H71A0149)

G.L. Narayana (15H71A0117)

Under the Esteemed Guidance of

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With Grade
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CERTIFICATE

This is to certify that the project report entitled "**MODELLING FOR DETERMINING SOURCE MECHANISM OF EARTHQUAKES**" being submitted for the partial fulfilment of the requirements for the award of the course in Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technology University, Kakinada. It is bonafide work done by **K. Amrutha, A. Sai Reddy, K. Jyothirmai, B. Venu Gopal, G.L. Narayana** bearing **15H71A0102, 15A71A0148, 15H71A0114, 15H71A0149, 15H71A0117** of IV B.Tech submitted to **DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY (JNTUK)** fulfilment of B.Tech course for the award of B.Tech in Civil Engineering during the academic year ~~2018~~-2019.


Mr. AJAY KUMAR VERMA

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



**EXPERIMENTAL STUDY ON USAGE OF METAKAOLIN
AND EGGSHELL POWDER AS A PARTIAL REPLACEMENT
OF CEMENT AND FINE AGGREGATE IN 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

V.RAMYA SREE(15H71A0129)

B.NARESH(15H71A0120)

S.DURGA PRAKASH(15H71A0107)

M.JOSHUA(15H71A0113)

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CERTIFICATE

This is to certify that the project report entitled "EXPERIMENTAL STUDY ON USAGE OF METAKAOLIN AND EGGSHELL POWDER AS A PARTIAL REPLACEMENT OF CEMENT AND FINE AGGREGATE IN CONCRETE" from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a bonafide work done by Ms.V.RAMYA SREE (15H71A0129), Mr.B.NARESH (15H71A0120), Mr.S.DURGA PRAKASH (15H71A0167), Mr.M.JOSHUA (15H71A0113) under my guidance during the academic year 2018-19 as 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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EXTERNAL EXAMINER

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



**REINFORCING THE SUBGRADE SOIL BY
COIR GEOTEXTILE USING KANPAVE**

Submitted to
Jawaharlal Nehru Technological University Kakinada
In partial fulfilment for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
DEPARTMENT OF CIVIL ENGINEERING

Submitted by
K. APARNA (16H75A0101)
N. JAYARAM PRASAD (16H75A0105)
N. JAGADESH (15H71A0112)
A. FANDIRA (15H71A0108)

Under the Esteemed Guidance of
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CERTIFICATE

This is to certify that the project report entitled "**REINFORCING THE SUBGRADE SOIL BY COIR GEOTEXTILE USING KANPAVE**" being submitted for the partial fulfilment of the requirements for the award of the course in Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technology University, Kakinada. It is bonafied work done by with register no K. Aparna, N. Jayram Prasad, N. Jagadesh, A. Fanindra bearing 16H75A0101, 16H75A0105, 15H71A0112, 15H71A0108 of IV B.Tech submitted to **DVR & Dr. IIS MIC COLLEGE OF TECHNOLOGY (JNTUK)** fulfilment of B.tech course for the award of B.tech in Civil Engineering during the academic year 2018 -2019.


Project Guide

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Head of the Department

Mr. N.V SUBBARAO (Ph.D)




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Dr. Y. SUDHEER BABU

M.Tech.,
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Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



**EXPERIMENTAL STUDY ON STABILIZATION OF BLACK COTTON
SOIL USING PLASTER OF PARIS**

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

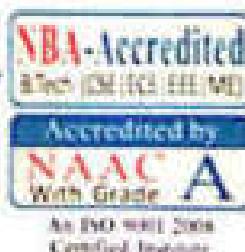
M. Siva Kalyan (15H71A0138) U. Prasanna Lakshman (15H71A0124)
G. Chandra Sekhar (16H75A0102) A. Dasaradha (16H75A0103)

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Mr. P.SATHIBABU,M.Tech
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CERTIFICATE

This is to certify that the project report entitled "EXPERIMENTAL STUDY ON BLACK COTTON SOIL USING PLASTER OF PARIS" BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a bonafied work done by M. Siva Kalyan (15H71A0138) , U. Prasanna Lakshman (15H71A0124) , G. Chandra Sekhar (16H75A0102) , A. Dasaradha (16H75A0103) under my guidance during the academic year 2018-19 and it has been suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr. P. Sathibabu , M.Tech
Associate professor
Project Guide



Mr. N.V. Subba Rao , ME./Ph.D
Associate professor
Head of the Department

Dr. Y. Sudheer Babu, Ph.D
Principal

External Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



**STUDY ON BIO GAS PRODUCTION AND WASTE WATER
TREATMENT AT MIC 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

In
CIVIL ENGINEERING

By

A. RAHUL (15H71A0125)

K. RAJASHAKER (15H71A0126)

A. MANASWI (15H71A0118)

D. VAMSI SAI KRISHNA (15H71A0145)

Under the Esteemed Guidance of
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CERTIFICATE

This is to certify that the project report entitled "**STUDY ON BIO GAS PRODUCTION AND WASTE WATER TREATMENT AT MIC COLLEGE**" **BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING** from **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA**, is a bonafied work done by **Mr.RAHUL (15H71A0125), Mr.RAJASHEKAR (15H71A0126), Ms.MANASWI (15H71A0118), Mr.VAMSI SAI KRISHNA (15H71A0145)** under my guidance during the academic year 2018-19 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
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Mr. N.V.SUBBA RAO, ME, (Ph.D)
Associate professor
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External Examiner

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**ANALYSIS AND DESIGN OF (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

G. CHANDRIKA (15H71A0105)

N.PRAKASHRAJ (15H71A0123)

K.KOTI KRISHNA (15H71A0116)

J.MANOJ (15H71A0119)

Under the esteemed guidance of

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2018-2019



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CERTIFICATE

This is to certify that the project report entitled "ANALYSIS AND DESIGN OF (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 G.CHANDRIKA, N.PRAKASH RAJ, K.KOTIKIRSHNA, J.MANOJ with Regd Nos: 15H71A0105, 15H71A0123, 15H71A0116, 15H71A0119 under my guidance during the academic year 2018-19 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. K. MOUNICA, M.Tech

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Associate Professor

Head of the Department



Dr. Y. Sudheer Babu, PhD (ITM)

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EXTERNAL EXAMINER
B

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF
CEMENT WITH MARBLE POWDER AND FINE
AGGREGATE WITH MANUFACTURED SAND**

A project report is 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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CERTIFICATE

This is to certify that the project report entitled "**Experimental Investigation on partial replacement of cement with marble powder and fine aggregate with manufactured sand**" 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 bonafied work done by **K.Sai Krishna (15H71A0132)**, **G.Durga Malleswari (16H75A0104)**, **V.Sai teja (15H71A0135)**, **V.Vijay (15H71A0150)** under my guidance during the academic year 2018-19 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

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



**EXPERIMENTAL USAGE OF BITUMINOUS ROADS
MODIFIED WITH CRUMB RUBBER**

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
CH.MOHAN (16H75A0106) **SK.SIRAJ (15H71A0137)**
CH.VENKAT (15H71A0147) **P.ANVESH (15H71A0122)**

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CERTIFICATE

This is to certify that the project report entitled "**EXPERIMENTAL STUDY ON BITUMINOUS ROADS MODIFIED WITH CRUMB RUBBER**" 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 CH.MOHAN, SKSIRAJ, CH.VENKAT, P.ANVESH with Regd. Nos: 16H75A0106, 15H71A0137, 15H71A0147, 15H71A0122 under my guidance during the academic year 2018-19 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.

Mounica
Ms. K. MOUNICA, M Tech

Assistant Professor
Project Guide



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

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Dr. Y. Sudheer Babu, PhD (IITM)

Principal

Dr. Y. Sudheer Babu, PhD (IITM)

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EXTERNAL EXAMINER, MIC College of Technology
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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**ASSESSMENT OF POPULATION GROWTH AREA UTILISATION BY
USING GIS IN AMARAVTHI 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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RSAITEJAREDDY (15H71A0136) K. ANIL (15H71A0103)

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CERTIFICATE

This is to certify that the project report entitled "**ASSESSMENT OF POPULATION GROWTH AREA UTILISATION BY USING GIS IN AMARAVATHI REGION**" BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING from JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA, is a bonafied work done by Mr.MOHANSAI (16H75A0107), Mr.RAMANAIDU (15H71A0128), Mr.SAITEJAREDDY (15H71A0136), Mr.ANIL (15H71A0103) under my guidance during the academic year 2018-19 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.V. Subba Rao

Mr. N.V.SUBBA RAO, ME, (Ph.D)
Associate professor
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N.V. Subba Rao

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**STRENGTH AND DURABILITY STUDIES ON 3D-STEEL FIBER
REINFORCED CONCRETE**

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.SIVA MARUTHI (15H71A0139) K.GOPI CHAND (15H71A0111)
B.TIRUMALA NAIK (15H71A0142) CH.BHUPATHI (15H71A0104)**

Under the Esteemed Guidance of

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ASSISTANT PROFESSOR

Department of Civil Engineering

Devineni Venkata Ramana & Dr. Hima Sekhar

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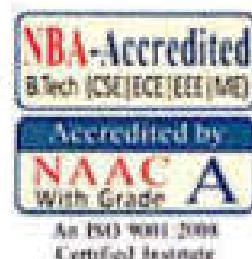
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B.Tech (CE, ECE, IT, ME)

Accredited by
NAAC **A**
With Grade
As NAAC Well Rated
Certified Institute

CERTIFICATE

This is to certify that the project report entitled "STRENGTH AND DURABILITY STUDIES ON 3D-STEEL FIBER REINFORCED CONCRETE" being submitted for the partial fulfilment of the requirements for the award of the course in Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technology University, Kakinada. It is bonafide work done by **K.SIVAMARUTHI, K.GOPICHAND, B.TIRUMALANAIK, CH.BHUPATHI** bearing 15H71A0139, 15A71A0111, 15H71A0142, 15H71A0104, of IV B.Tech submitted to DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY (JNTUK) fulfilment of B.Tech course for the award of B.Tech in Civil Engineering during the academic year 2018 -2019.

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External Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



**SOIL STABILIZATION BY USING SAW DUST AS AN
ADDITIVE**

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

**SK.KHASIM SAIDA (15H71A0115) M.RAJESH (15H71A0127)
SK.VASEEM (15H71A0146) CH.SAI SYAMBABU (15H71A0133)**

Under the Esteemed Guidance of

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CERTIFICATE

This is to certify that the project report entitled "SOIL STABILIZATION BY USING SAW DUST AS AN ADDITIVE" - Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada is a bonafied work done by KHASIM SAIDA SK (15H71A0115), RAJESH M (15H71A0127), VASEEM SK (15H71A0146), SAI SYAM BABU. CH (15H71A0133) during the academic year 2018-2019 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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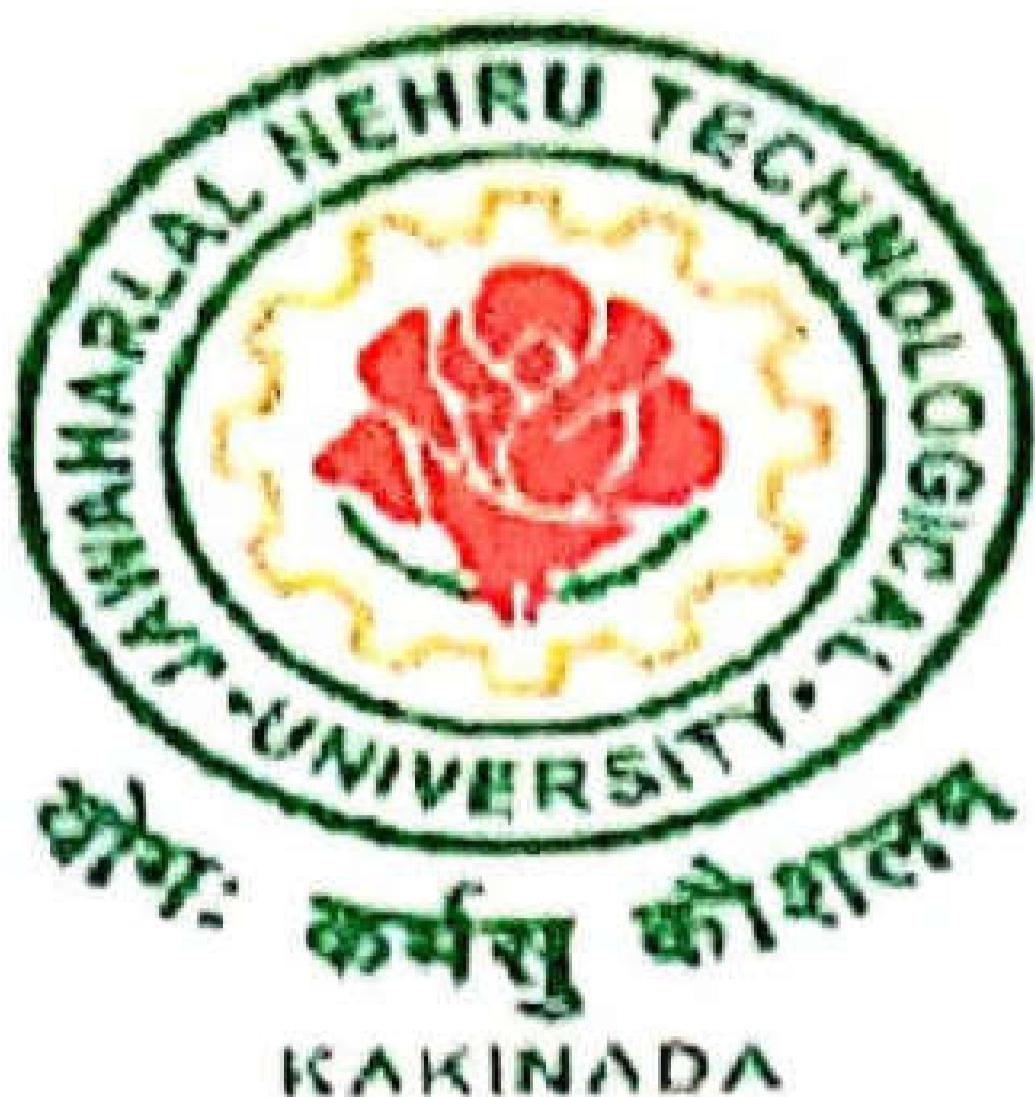


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Associate Professor
Head of the department

Dr. Y. SUDHEER BABU, Ph.D (ITSM)
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External Examiner

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**ANALYSIS OF DRINKING WATER QUALITY AT
GOVERNMENT SCHOOLS IN AMARAVATI REGION, ANDHRA
PRADESH**

*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

CH.GEETHA KEERTHI (15H71A0155)

I. NAVEEN (15H71A0164)

K. RAVI KUMAR (16H75A0115)

SK. ROSHAN (16H75A0117)

G. HIMA TEJA (14H71A016P1)

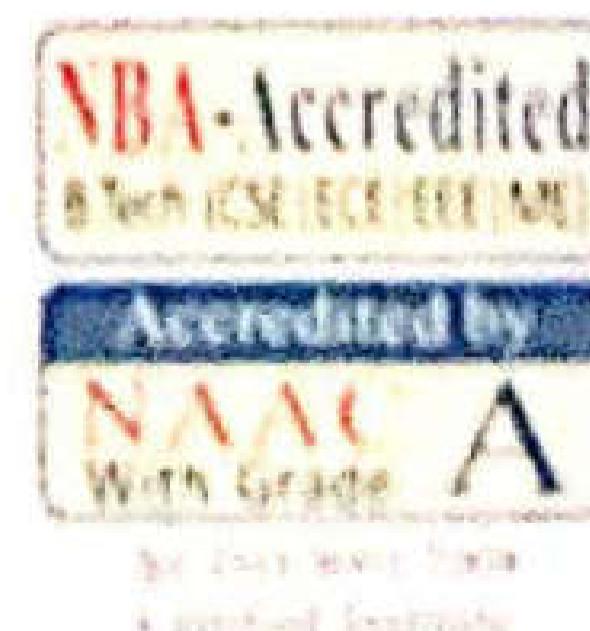
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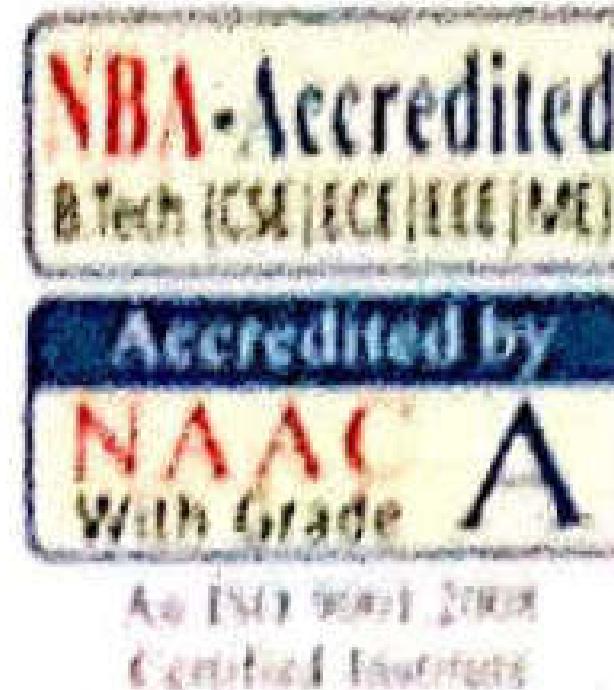




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CERTIFICATE

This is to certify that the project report entitled "**ANALYSIS OF DRINKING WATER QUALITY AT GOVERNMENT SCHOOLS IN AMARAVATI REGION, ANDHRA PRADESH**" 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**. It is a bonafide work done by **CH. GEETHA KEERTHI, I. NAVEEN, K. RAVI KUMAR, SK. ROSHAN, and G. HIMA TEJA** bearing Reg. No. 15H71A0155, 15H71A0164, 16H75A0115, 16H75A0117, and 14H71A0161 under my guidance during the academic year 2018-'19 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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Associate Professor & Project Guide

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

Associate Professor

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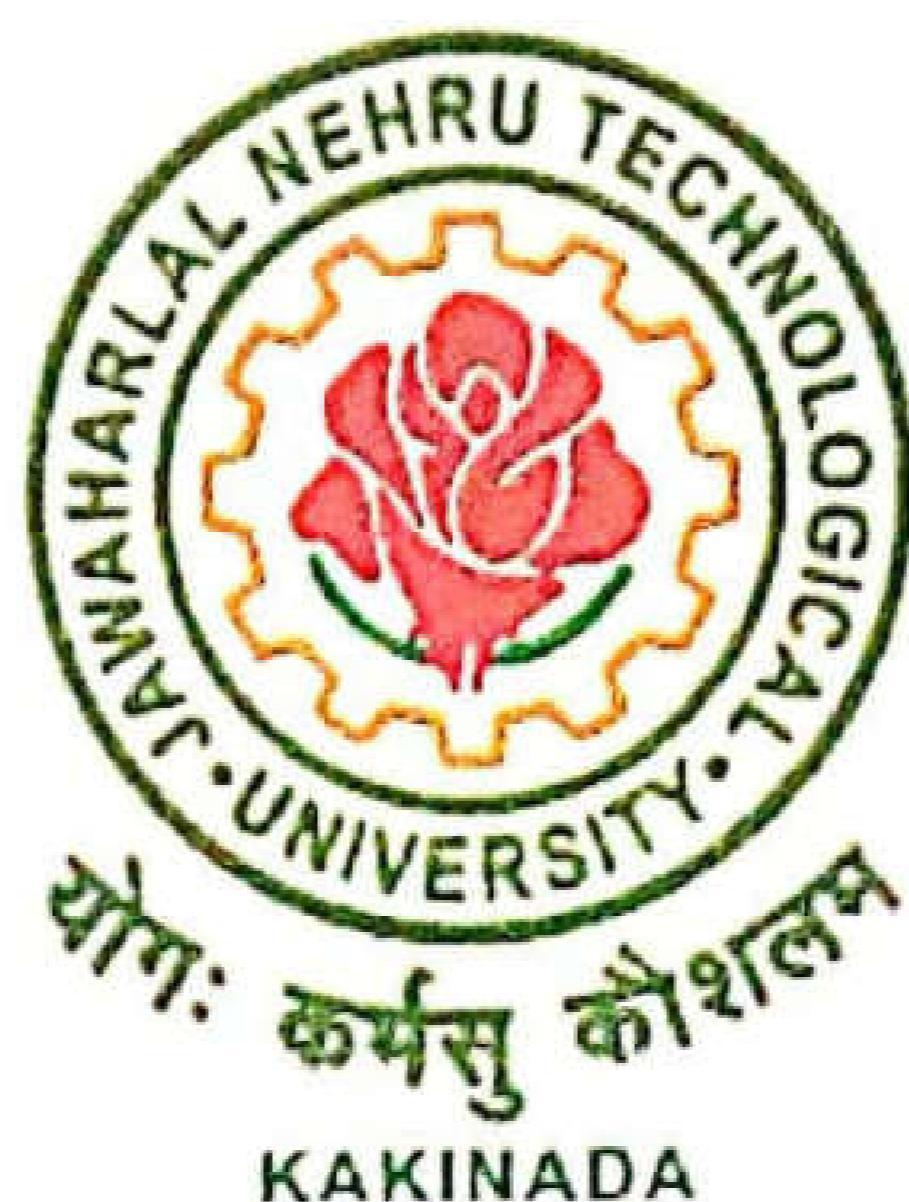

External Examiner

Prof. Y. SUDHEER BABU Ph.D., HTM

**Dr. Y. SUDHEER BABU Principal, Ph.D., HTM
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Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, KRISHNA DISTRICT

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**DESIGN AND ANALYSIS OF A G+4 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

K.SAI GUNA SEKHAR (16H75A0118) CH.RAVI TEJA(16H75A0116)

K.PRAKASH REDDY (15H71A0170) S.SIVA NAGA (15H71A0185)

Under the esteemed guidance of

Ms.G.SUKANYA,M.Tech

Assistant professor

Department Of Civil Engineering



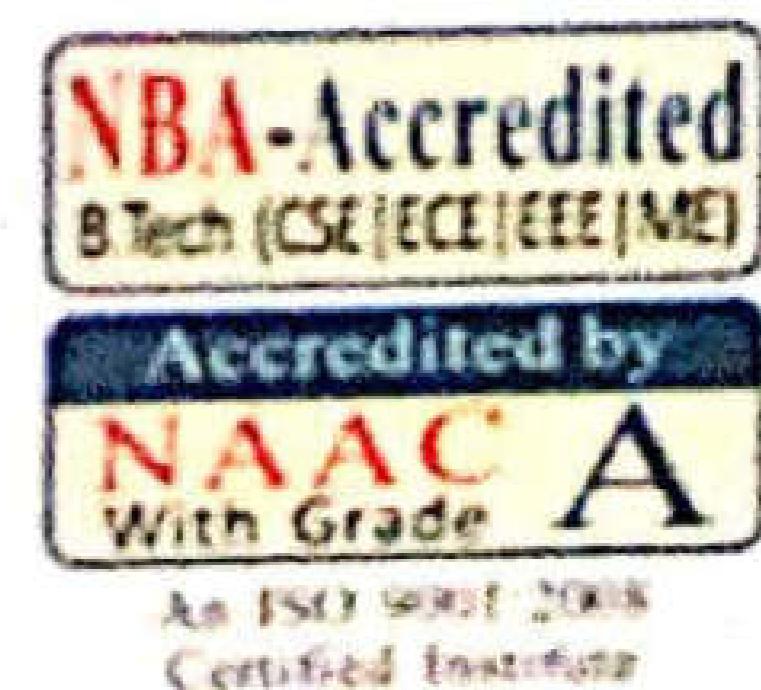
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CERTIFICATE

This is to certify that the project report entitled "**DESIGN AND ANALYSIS OF A G+4 RESIDENTIAL BUILDING**" **BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING** from **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA**, is a bonafide work done by **Mr.K.SAI GUNA SEKHAR (16H75A0118), Mr.CH.RAVITEJA(16H75A0116), Mr.K.PRAKASHREDDY(15H71A0170), Mr.S.SIVA NAGA(15H71A0185)** under my guidance during the academic year 2018-19 and it has been suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Ms.G.SUKANYA,M.Tech

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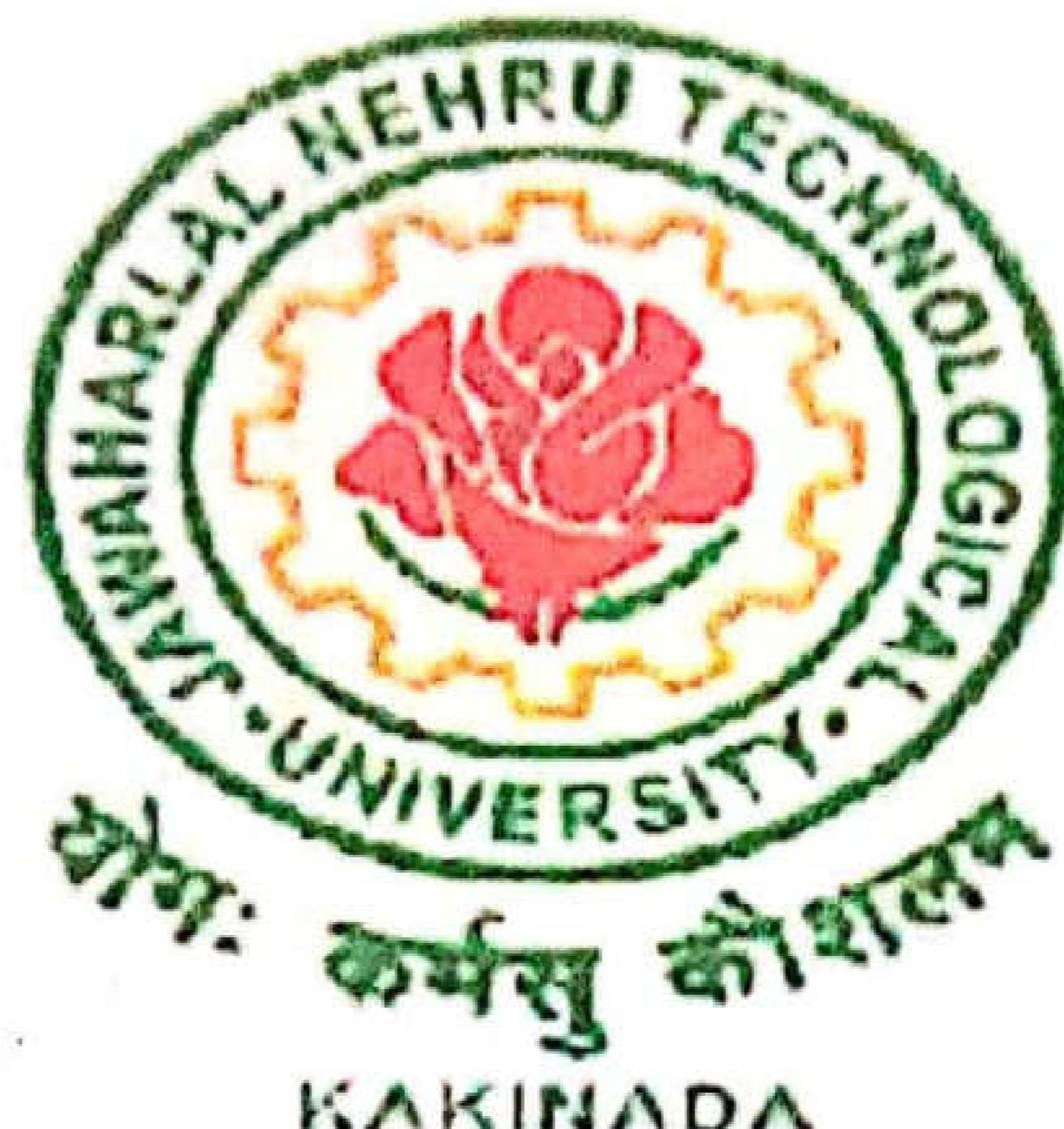


Dr.Y.Sudheer Babu,Ph.D (IITM)

External Examiner

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Principal, PES PAL
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KANCHIKACHERLA, Krishna District'**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**STUDY ON BEHAVIOUR OF CONCRETE BY PARTIAL
REPLACEMENT OF CEMENT BY GGBS AND FINE
AGGREGATES BY PLASTIC GRANULES**

*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

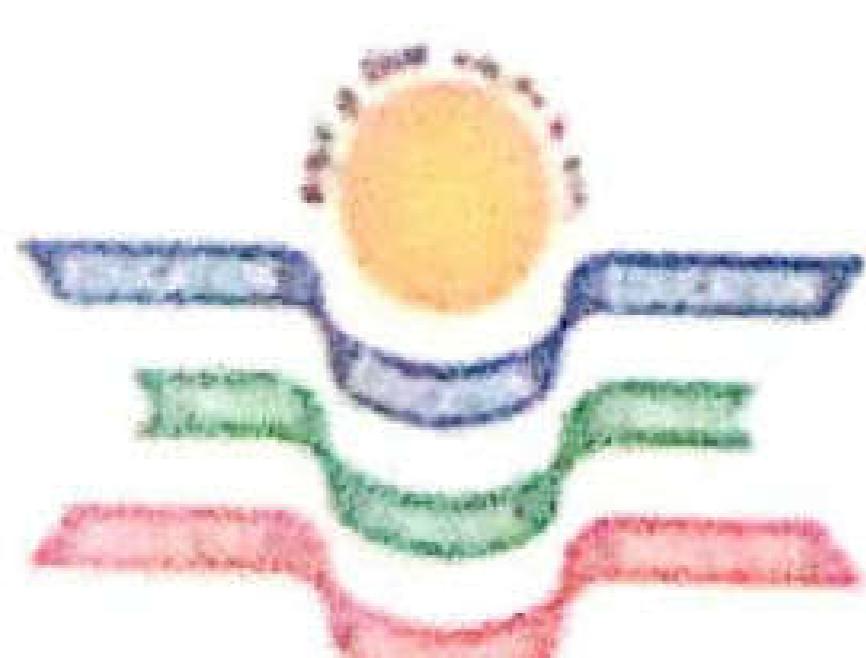
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V. VAMSI (15H71A0192)

N. SHIVA (15H75A0183)

**M. SARVESWARA REDDY
(16H75A0119)**

**Under the esteemed guidance of
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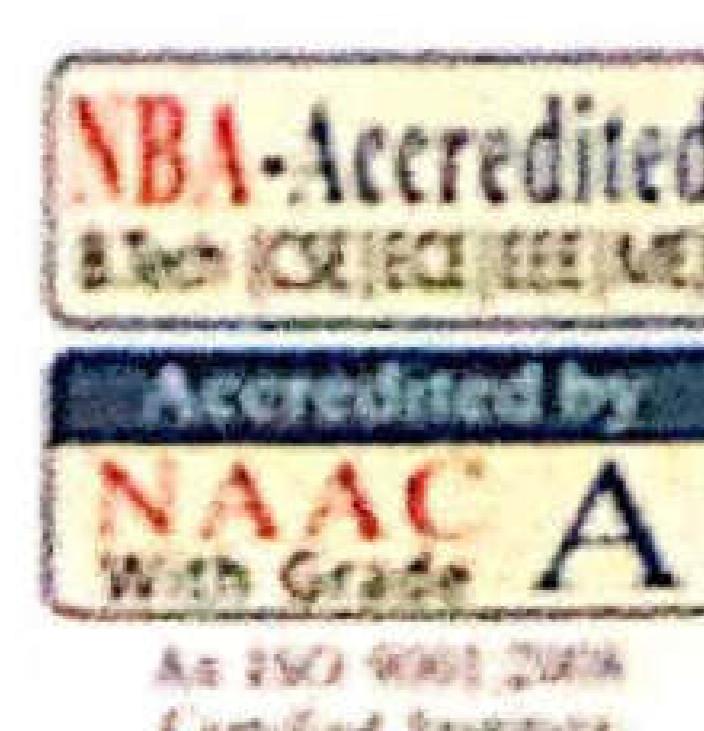
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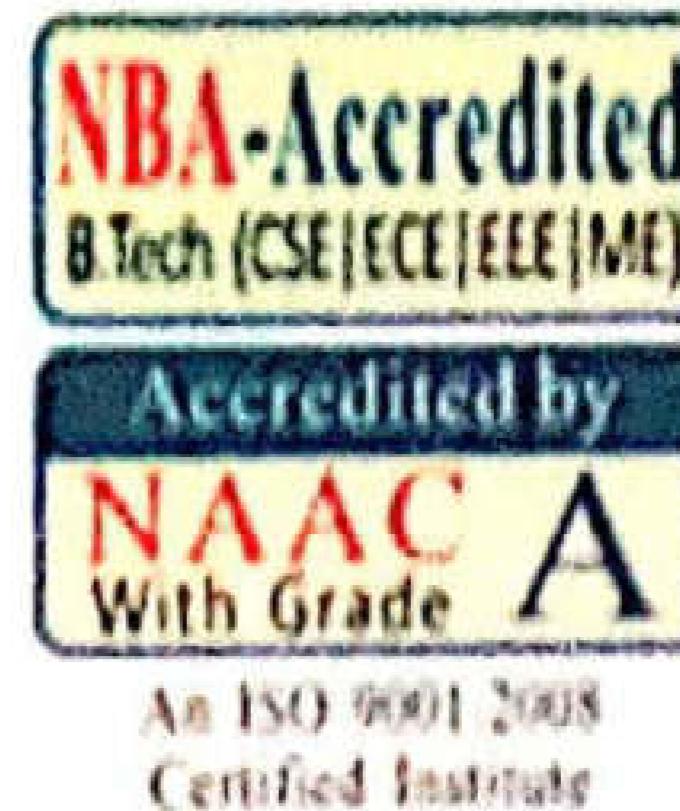




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CERTIFICATE

This is to certify that the project report entitled "**STUDY ON BEHAVIOUR OF CONCRETE BY PARTIAL REPLACEMENT OF CEMENT BY GGBS AND FINE AGGREGATES BY PLASTIC GRANULES**" 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. It is a bonafide work done by P. RESHMA, N. SHIVA, V. VAMSI and M. SARVESWARA REDDY bearing Reg.No.15H71A0178, 15H71A0183, 15H71A0192, and 16H75A0119 under my guidance during the academic year 2018-'19 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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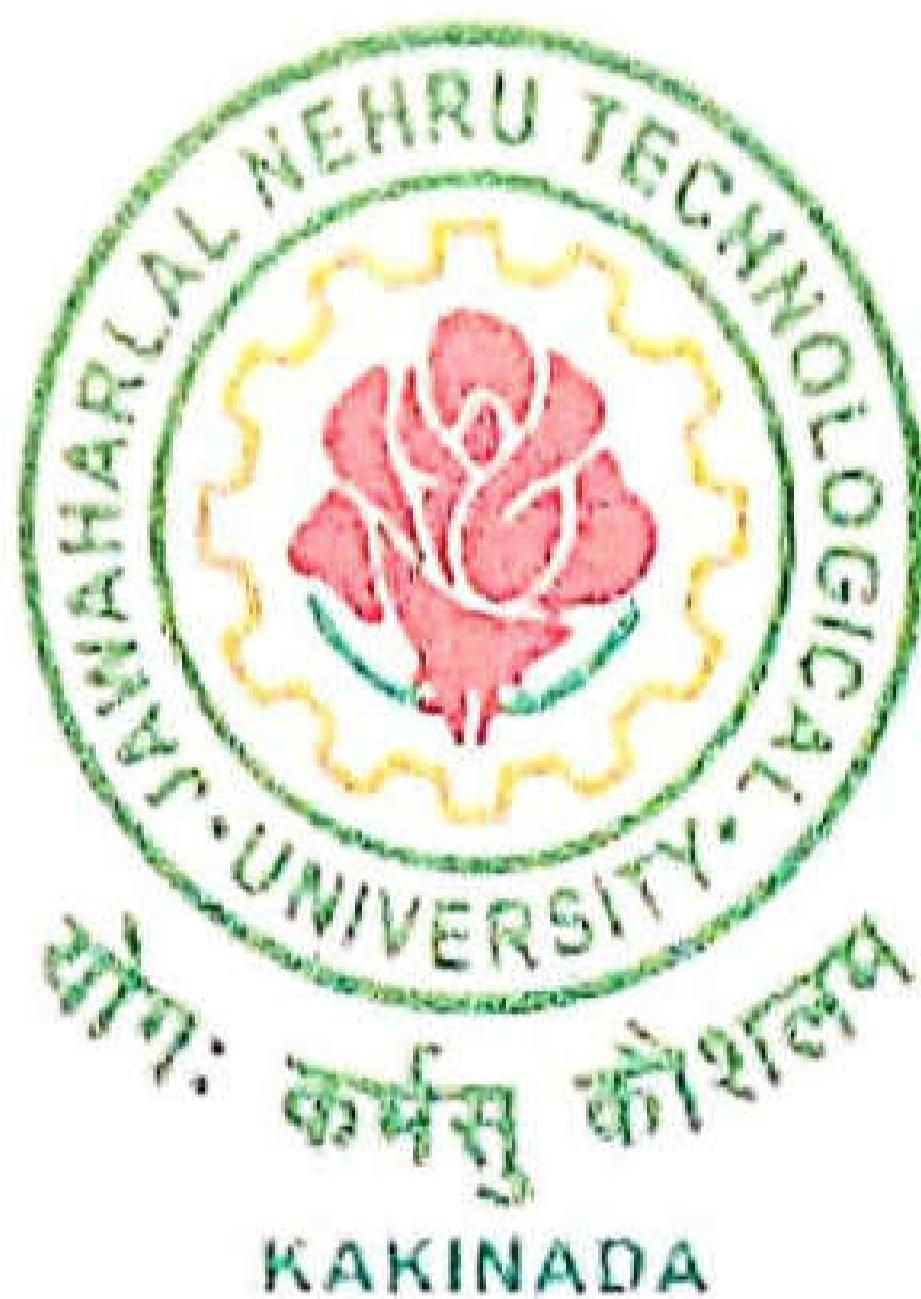
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MIC College of Technology
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**ANALYSIS & DESIGN OF MULTI-LEVEL CAR PARKING STRUCTURE
UNDER SEISMIC ZONE-III**

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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SK.SIMRAN BASHA (15H71A0184)

SK.HUSSAIN SHARIF (15H71A0157)

SK.HAMEED BASHA (14H71A0162)

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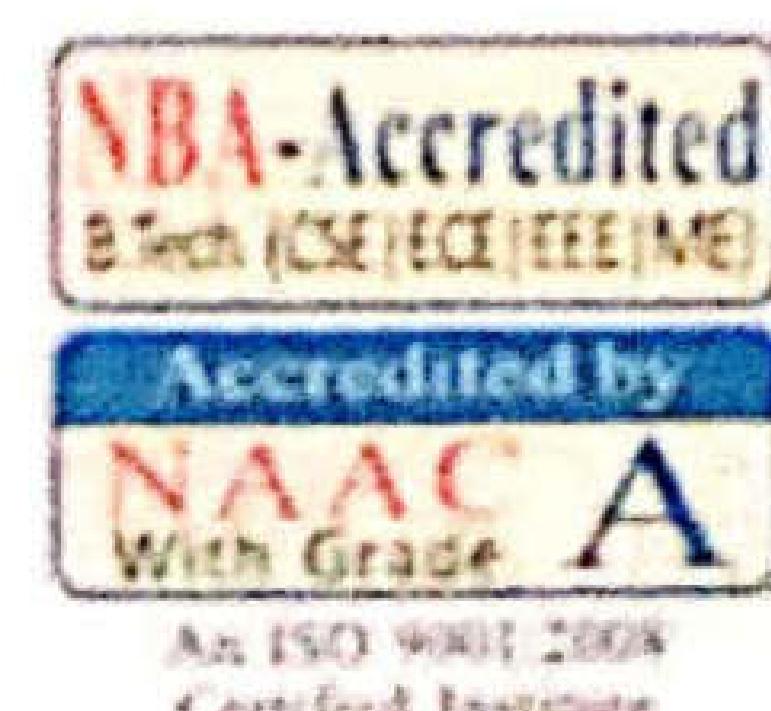
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As ISO 9001:2008
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This is to certify that the project report entitled "**ANALYSIS & DESIGN OF MULTI-LEVEL CAR PARKING STRUCTURE UNDER SEISMIC ZONE-III**" from **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA**, is a bonafide work done by **Ms. V.VYSHNAVI (15H71A0196)**, **Mr. SK. SIMRANBASHA (15H71A0184)**, **Mr. SK.HUSSAIN SHARIF (15H71A0157)**, **Mr. SK.HAMEED BASHA (14H71A0162)** under my guidance during the academic year 2018-19 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.

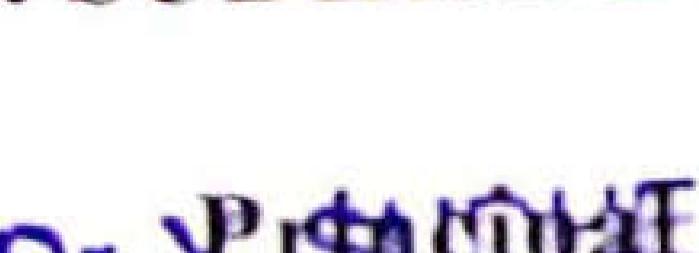

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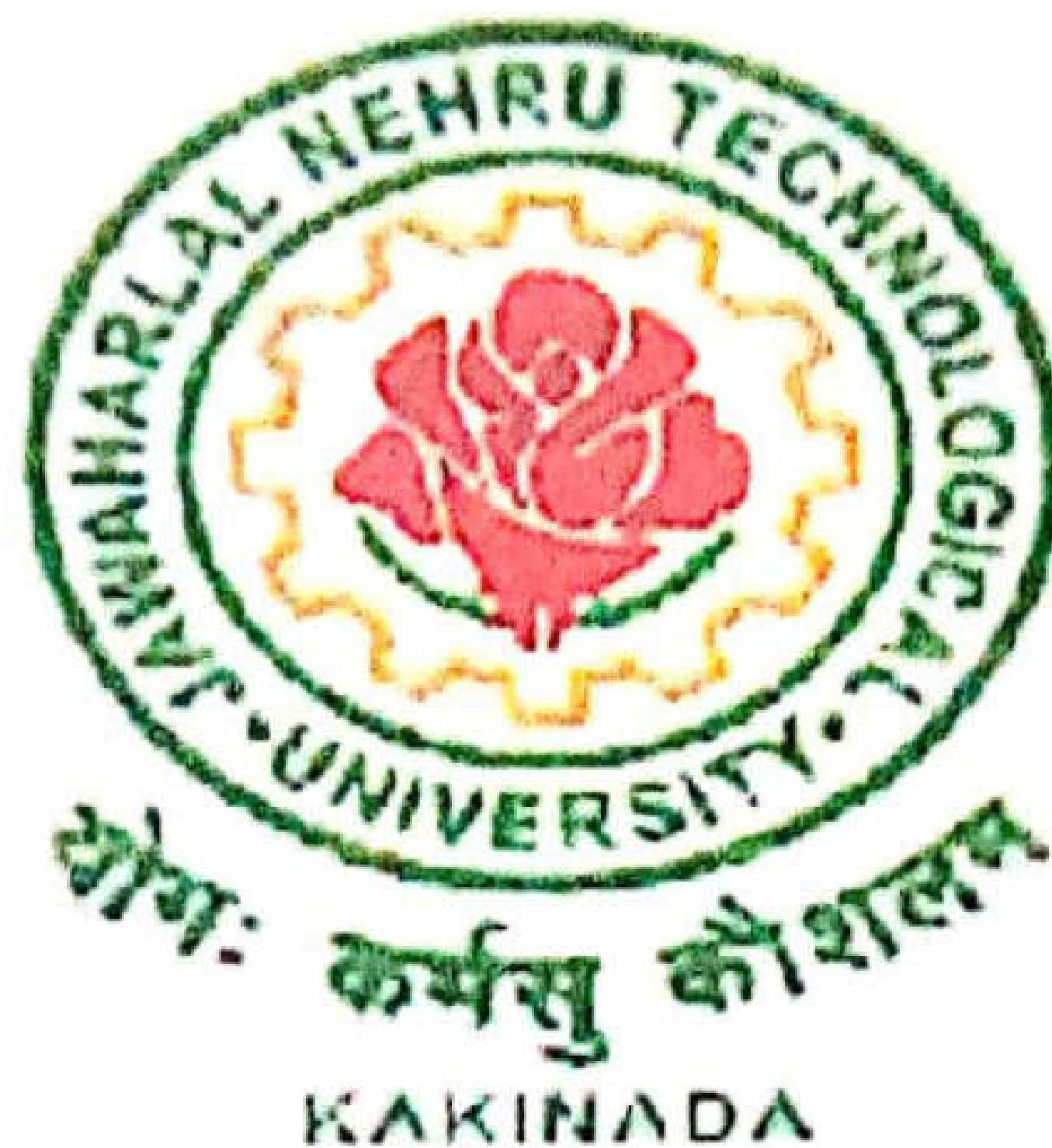



Dr. Y. SUDHEER BABU, Ph.D (IITM)


EXTERNAL EXAMINER


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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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DESIGN AND ANALYSIS OF A STEEL INDUSTRIAL SHED

*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

M. NAGA SWATHI MANI (16H75A0109)

N. NARENDRA (16H75A0111)

B. TARUN GOPAL (15H71A0189)

K.SAI SRI HARSHA(15H71A180)

**Under the esteemed guidance of
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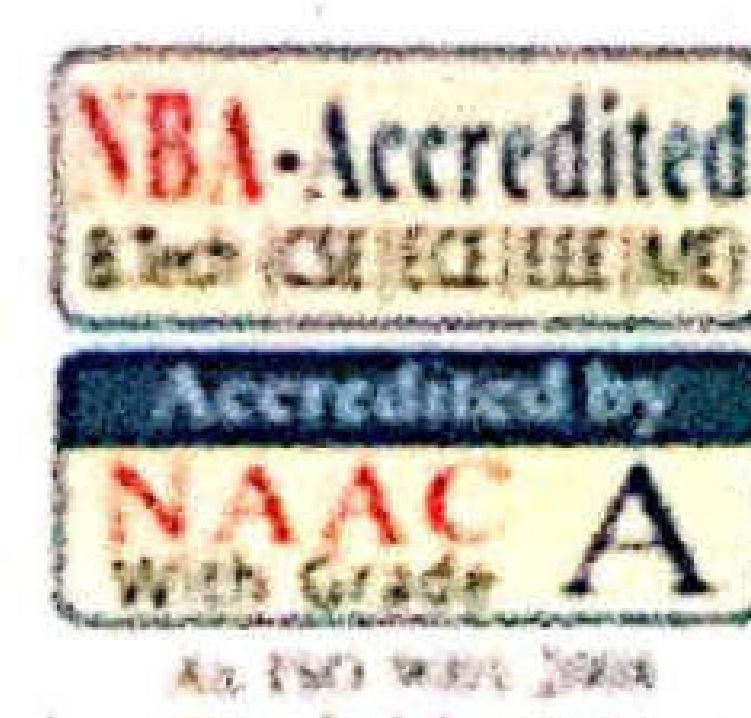
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With Grade A

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This is to certify that the project report entitled "**Design and analysis of steel industrial shed**" 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 abonafide work done by **M. Naga Swathi Mani (16H75A0109),** **N. Narendra (16H75A0111), B. TarunGopal (15H71A0189),K. Sai Sri Harsha (15H71A0180)** under my guidance during the academic year 2018-2019 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 award of any degree.

Mr. N.S.M.Ravi Kumar,
M.Tech
Assistant Professor
Project Guide

Mr. N.V. Subbarao, M.E (Ph.d)
Associate Professor
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Dr. Y. Sudheer Babu, M.Tech, PhD, IITM

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Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**DESIGN OF STABLE IRRIGATION CHANNEL FOR
INTERLINKING OF GODAVARI & PENNA RIVERS**

**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

M. RAMYA (15H71A0176)

V. ADISESHU (15H71A0151)

B. HARIKA (15H71A0156)

B. KOUSHIK (15H71A0191)

Under the esteemed guidance of

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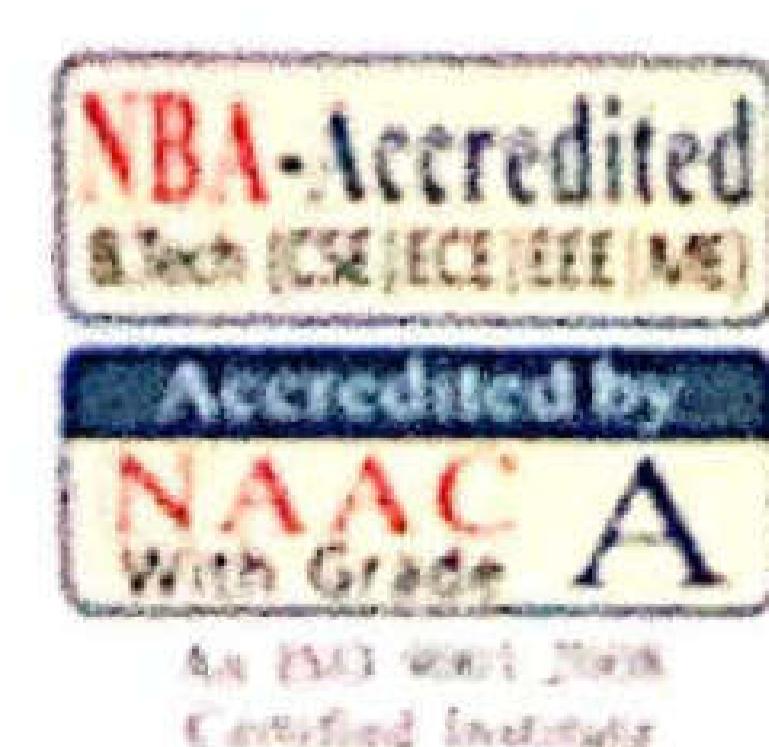
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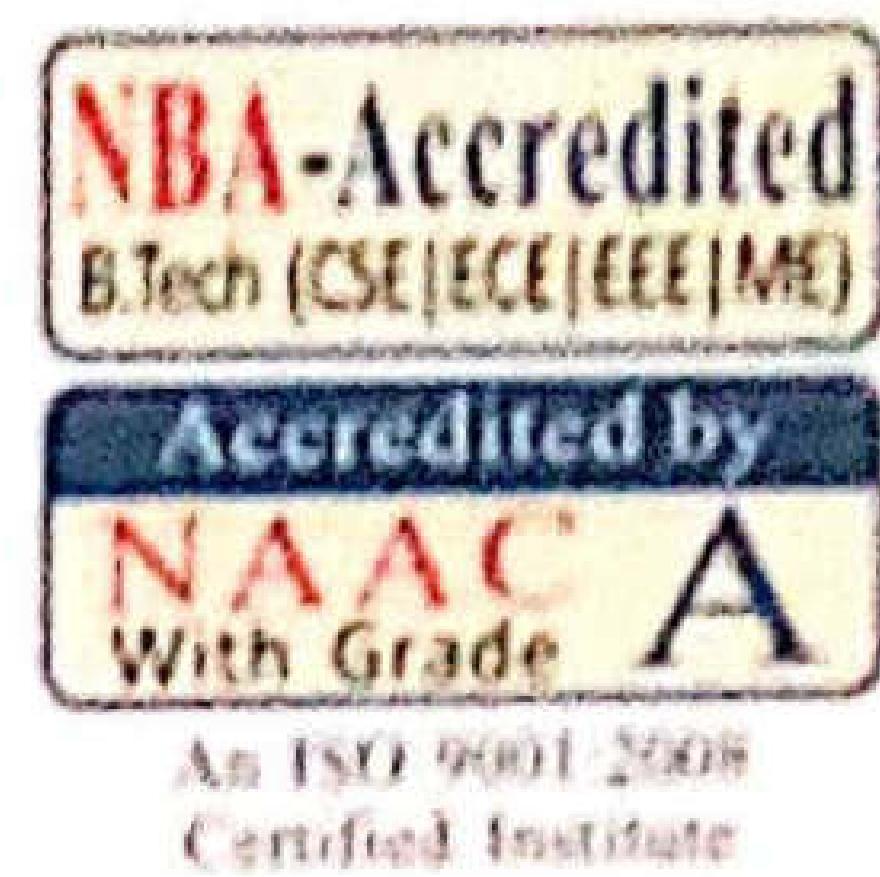




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CERTIFICATE

This is to certify that the project report entitled "**DESIGN OF STABLE IRRIGATION CHANNEL FOR INTERLINKING OF GODAVARI & PENNA RIVERS**" being submitted for the partial fulfillment of the requirements for the award of the degree in **bachelor of technology in Civil Engineering from Jawaharlal Nehru Technological University, Kakinada.** Is a bonafide work done by **M.RAMYA (15H71A0176), B. HARIKA (15H71A0156), V. ADISESHU (15H71A0151), B. KOUSHIK (15H71A0191)** under my guidance during the academic year 2018-2019 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 award of any degree.

Submitted for the End Semester Examination held on.....

Mr. R. NAVEEN KUMAR, M.Tech
Assistant Professor
Project Guide


Mr. N.V.SUBBARAO, M.E
Associate Professor
Head of the department

Dr. Y. SUDHEER BABU, M.Tech, PhD, IITM

External Examiner

DPN&Sudheer Babu, Ph.D,IITM
PRINCIPAL

Devineni Venkata Ramana & Dr. Himasekhar
MIC College of Technology [I]
KANCHIKACHERLA, KRISHNA DISTRICT

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**STRENGTHENING OF BITUMINOUS MATERIAL USING
EGGSHELL&STONE DUST AS FILLERS**

**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

T.MOHAN KRISHNA (15H71A0161)

K.RAJA SEKHAR (15H71A0174)

SK.ZAHEER BABA (16H75A0124)

SK.ASIF PASHA (15H71A0153)

Under the guidance of

Mr. J. DIVAKAR, M. Tech

Assistant Professor



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Department of Civil Engineering

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B.Tech (CSE|ECE|EEE|ME)

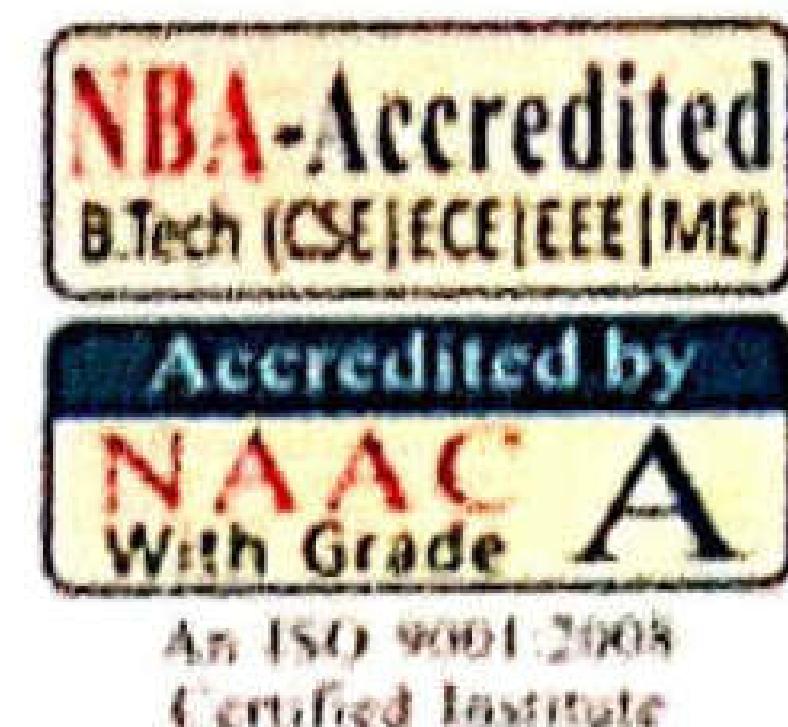
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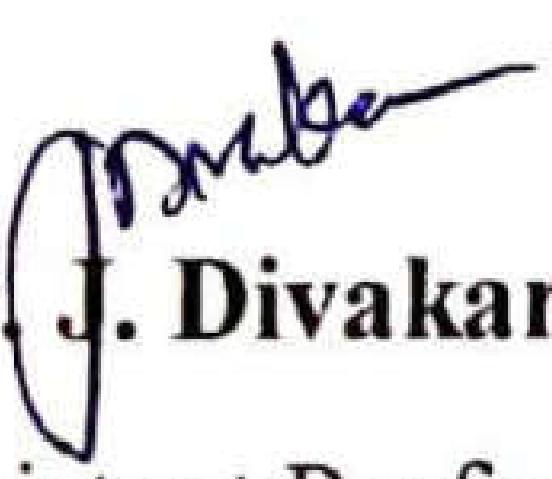
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CERTIFICATE

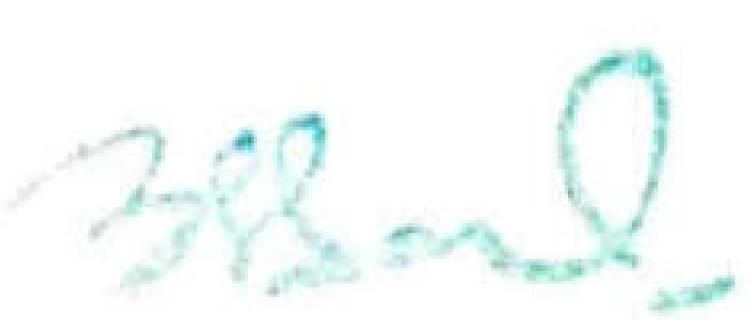
This is to certify that the project report entitled "**"STRENGTHENING OF BITUMINOUS MATERIAL USING EGGSHELL&STONE DUST AS FILLERS"**" being submitted for the partial fulfillment of the requirements for the award of the degree in **bachelor of technology in Civil Engineering** from Jawaharlal Nehru Technological University, Kakinada. Is a bonafide work done by **T. MOHAN KRISHNA (15H71A0161), K. RAJA SEKHAR (15H71A0174), SK ZAHEER BABA (16H75A0124), SK. ASIF PASHA (15H71A0153)** under my guidance during the academic year 2018-2019 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 award of any degree.


Mr. J. Divakar, M.Tech
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Head of the department




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

PRINCIPAL
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MIC College of Technology
KANCHIKACHERLA, Krishna District


External Examiner

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**DELINEATION AND ASSESSMENT OF WATERSHED
USING GEOGRAPHICAL INFORMATION SYSTEM (GIS)**

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

BACHELOR OF TECHNOLOGY

In

CIVIL ENGINEERING

By

P. RAVI TEJA (15H71A0177)

P. PAVA NAGA SAI KUMAR (15H71A0169)

S. VINAY KUMAR (16H75A0123)

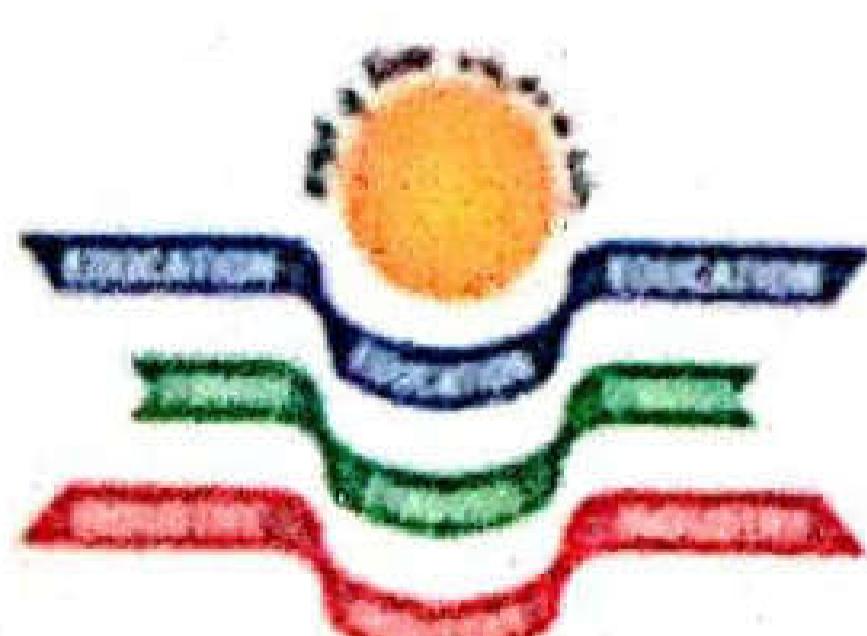
A. PAVAN BHAVANI KUMAR (15H71A0167)

Under the esteemed guidance of

B. DURGA PRIYANKA M.Tech

Assistant Professor

Department Of Civil Engineering



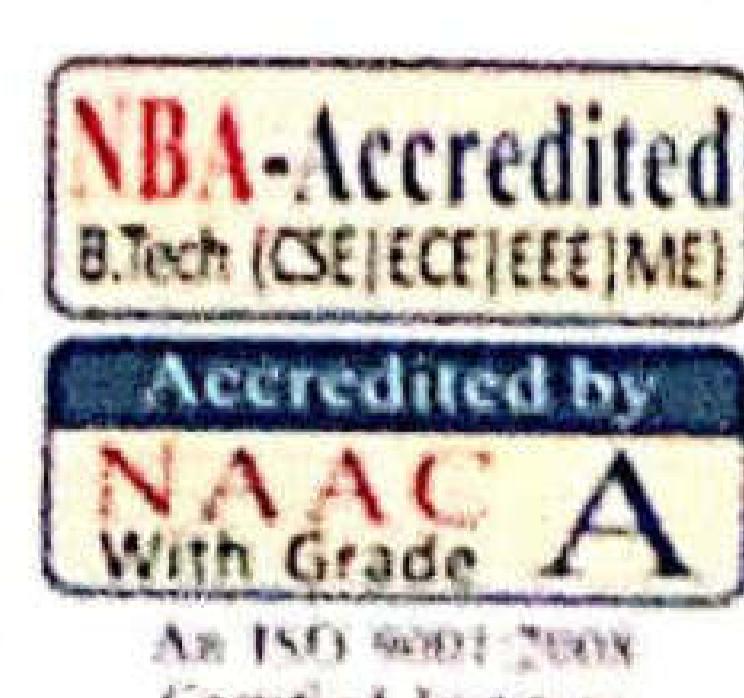
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An ISO 9001:2008
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This is to certify that the project report entitled "**DELINEATION AND ASSESSMENT OF WATERSHED USING GEOGRAPHICAL INFORMATION SYSTEM**" from **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA**, is a bonafide work done by **Mr. P. RAVI TEJA (15H71A0177)**, **Mr. P. PAVAN NAGA SAI KUMAR (15H71A0169)**, **Mr. S. VINAY KUMAR (16H75A0123)**, **Mr. A. PAVAN BHAVANI KUMAR (15H71A0167)** during the academic year 2018-19 and it has been suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.


Ms. B. Durga Priyanka M.Tech

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Project Guide


Mr. N.V. Subba Rao ME., (Ph.D.)

Associate Professor

Head of the Department



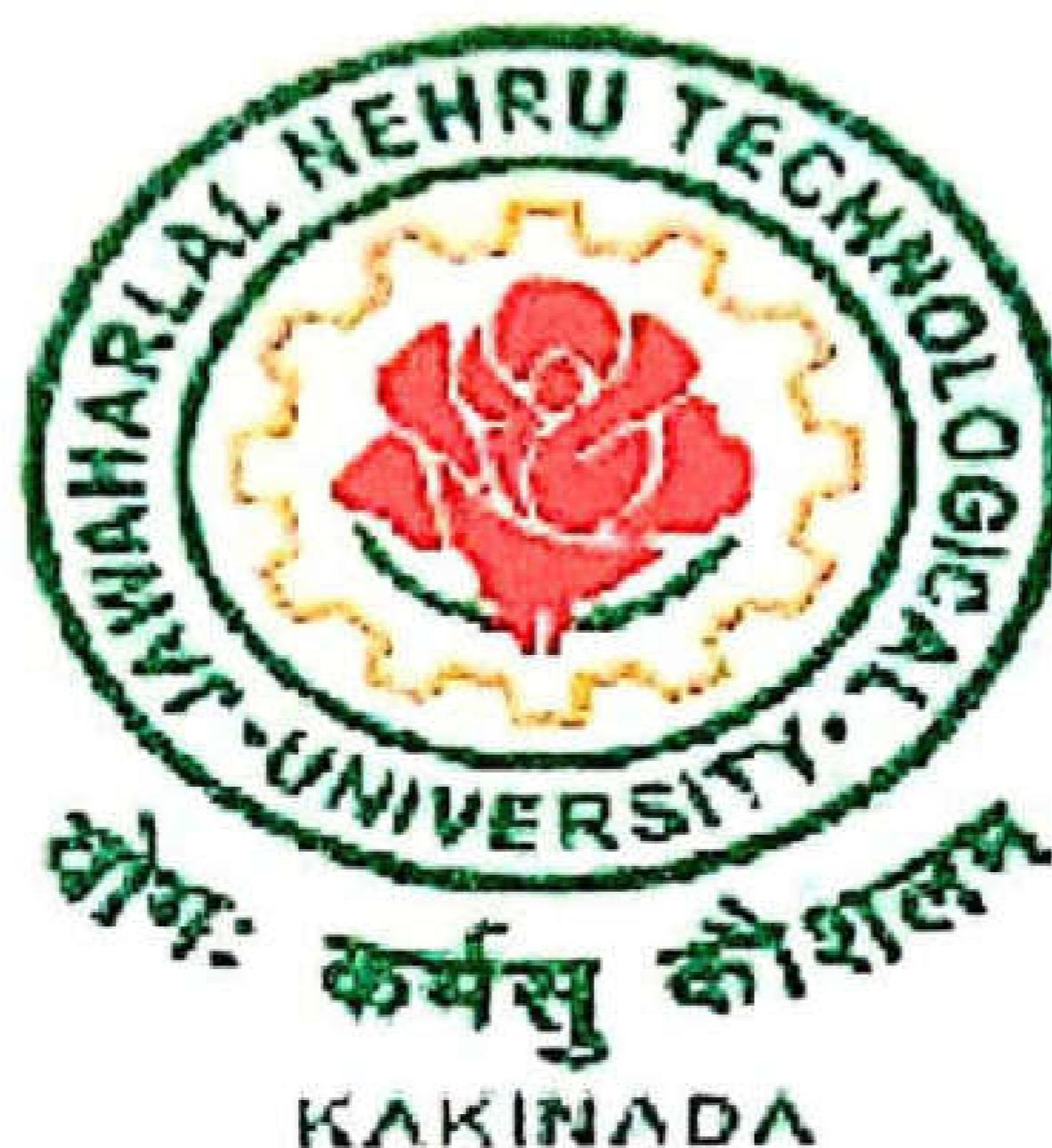

Dr. Y. Sudheer Babu, Ph.D. (IITM)

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

Devineni Venkata Ramana & Dr. Himasekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District


EXTERNAL EXAMINER

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**EXPERIMENTAL STUDIES ON PARTIAL REPLACEMENT OF
FINE AGGREGATE WITH QUARRY DUST IN 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

M. VENKATESH (16H75A0121)

K. VIJAY VARDHAN (16H75A0122)

J. MALLIKARJUN (15H71A0160)

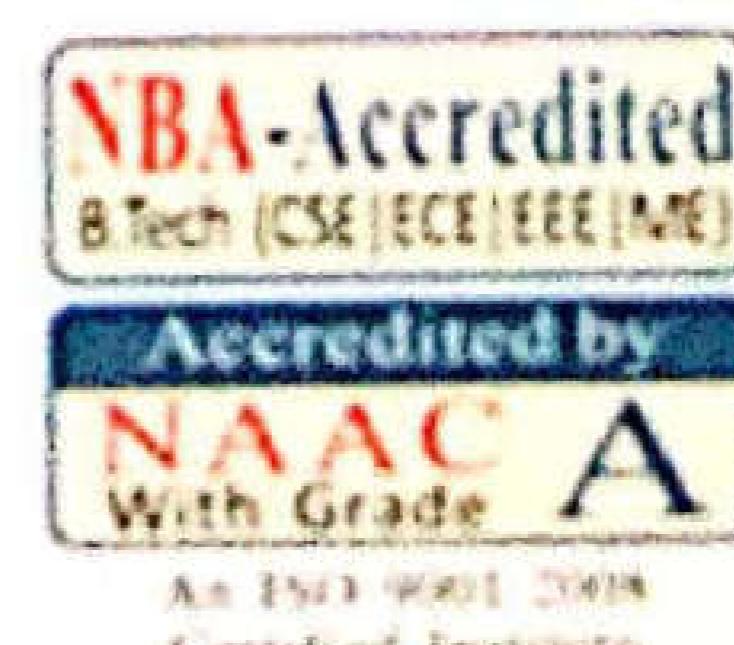
D. SRI VASTAV (15H71A0188)

**Under the esteemed guidance of
Mr. P. SATHIBABU
Assistant Professor
Department of Civil Engineering**



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

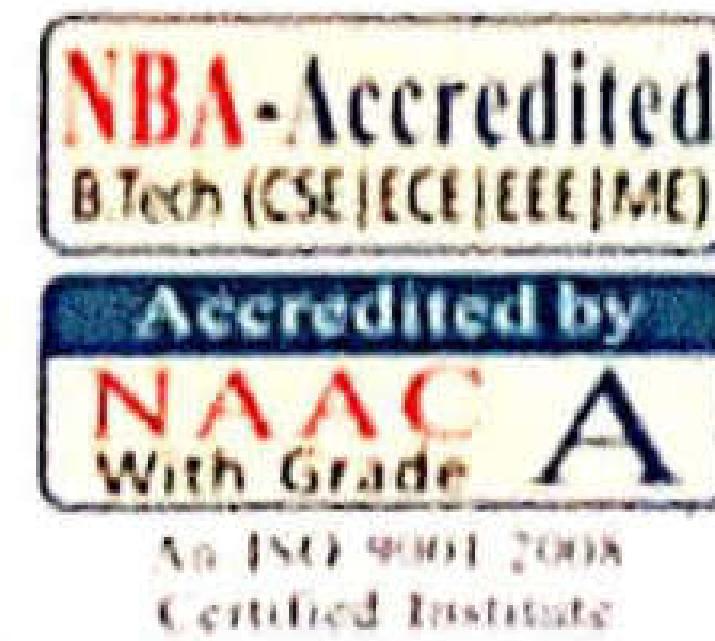
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CERTIFICATE

This is to certify that the project report entitled "**EXPERIMENTAL STUDIES ON PARTIAL REPLACEMENT OF FINE AGGREGATE WITH QUARRY DUST IN CONCRETE**" 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**, It is a beneficed work done by **M.VENKATESH, K.VIJAY VARDHAN, J.MALLIKARJUN, D.SRI VASTAV**, bearing Regd.Nos.**16H75A0121, 16H75A0122, 15H71A0160, 15H71A0188**, under my guidance during the academic year 2018-19 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr. P. SATHIBABU

Assistant Professor
Project Guide



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Head of the Department

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Dr. Y. SUDHEER BABU, Ph.D, IITM
Principal
Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

EXAMINER

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



ESTIMATION AND COSTING OF A G+3 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

B.SATEESH (15H71A0182)

D.NARENDRA(16H75A0110)

G.PRASANNAKUMAR(16H75A0112) CH.SAIRAM(15H71A0187)

Under the esteemed guidance of

Mr. Y. NIKHIL, M-Tech

Assistant Professor

Department of Civil Engineering

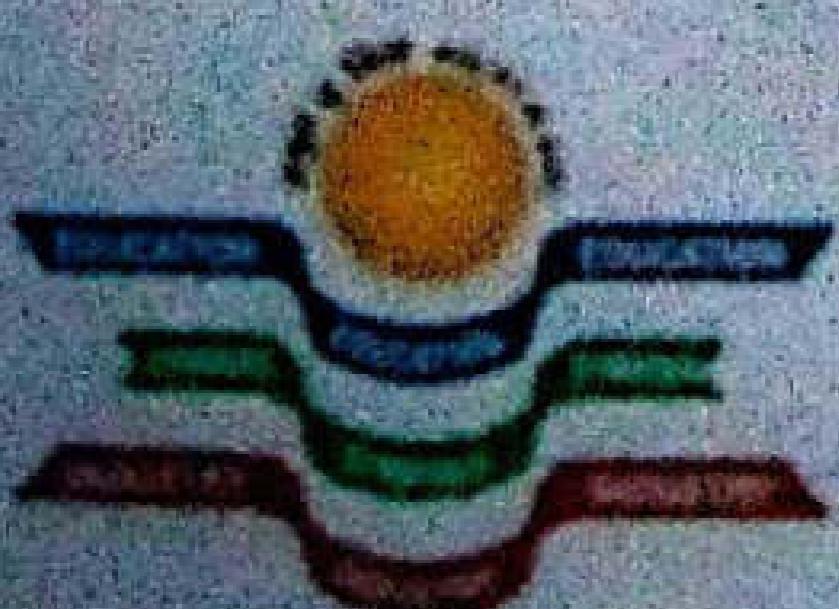
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CERTIFICATE

This is to certify that the project report entitled
**"ESTIMATION AND COSTING OF A G+3 RESIDENTIAL
BUILDING"** from **JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY, KAKINADA**, is a bonafied work done by **Mr.B.SATEESH
(15H71A0182), Mr.D.NARENDRA(16H75A0110), Mr.G.PRASANNAKUMAR
(16H75A0112), Mr.CH.SAIRAM (15H71A0187)** under my guidance during the
academic year 2018-19 as it has been suitable for acceptance according to the
requirement of the university. This work is not submitted to any other institution
or university for the award of any degree.

Mr. Y. NIKHIL M-Tech
Assistant professor
Project Guide

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

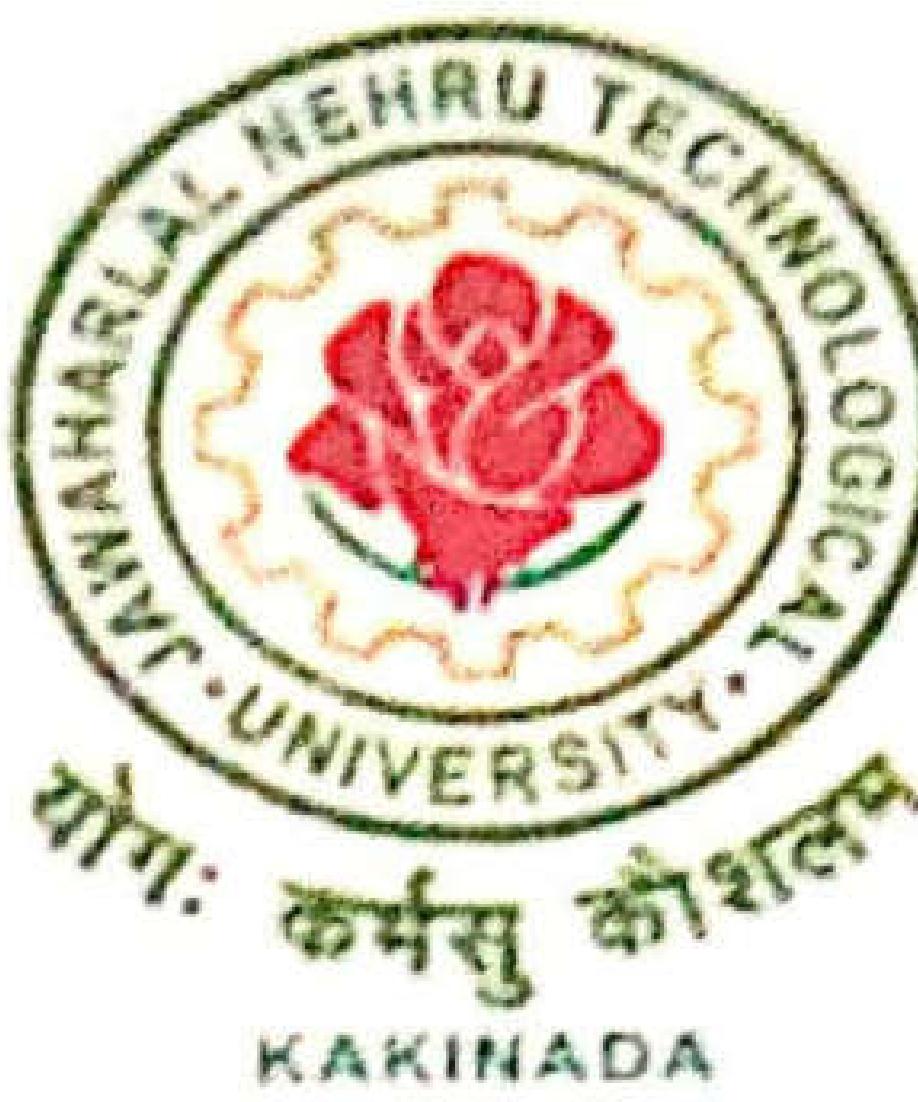
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PRINCIPAL

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Mr. N. V. SUBBARAO ME., (Ph.D)
Associate Professor
Head of the Department

EXTERNAL EXAMINER



ANALYSIS AND ESTIMATION OF VEHICULAR UNDERPASS (VUP)

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
CIVIL ENGINEERING

Submitted by

T. RamaKrishna (15H71A0175)
B. Vineel Kiran (15H71A0195)

D. RamaKrishna (16H75A0114)
M. Ashok Reddy (15H71A0152)

Under the Guidance of

Mr. Ajay Kumar Verma
Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING

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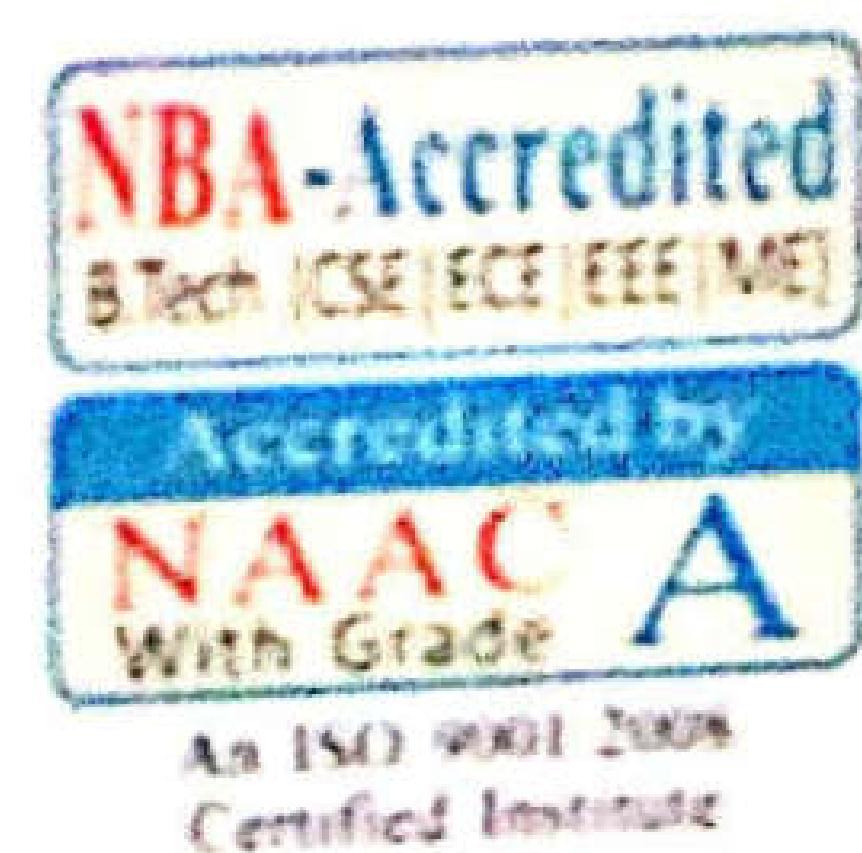
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2018-2019





DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the project work ent**ANALYSIS AND ESTIMATION OF VEHICULAR UNDERPASS (VUP)**" is a bonafied work carried out by **Mr. RAMAKRISHNA. T (15H71A0175), Mr. RAMAKRISHNA. D (16H75A0114), Mr. VINEEL KIRAN. B (15H71A0195), Mr. ASHOK REDDY. M (15H71A0152** in partial fulfillment for the award of the degree of Bachelor of Technology in Civil Engineering of Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. 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.

August 02/2019
Mr. Ajay Kumar Verma
(Project Guide)

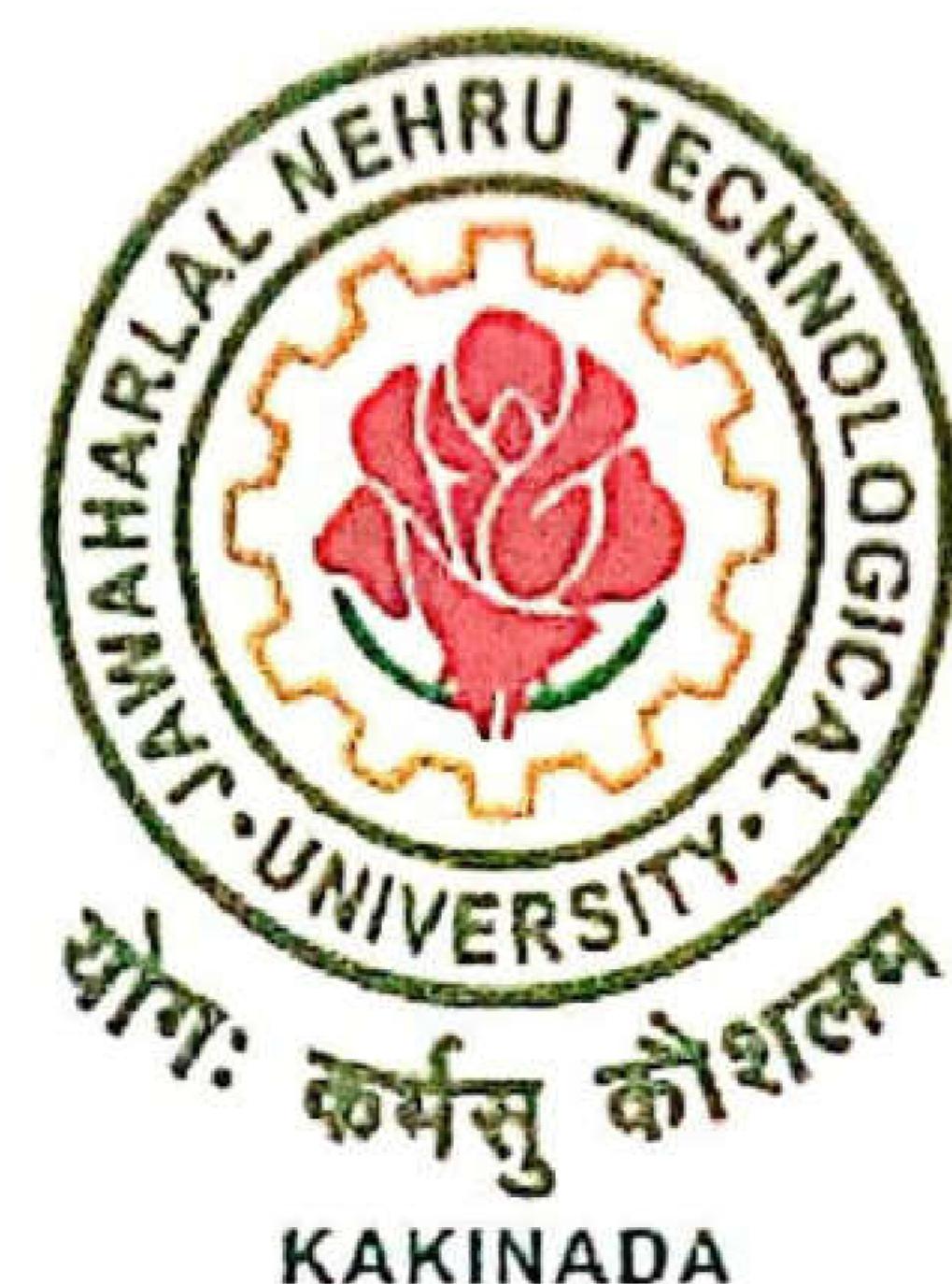


Subba Rao
Mr. N. V. Subba Rao
(Head of the Department)

Y. Sudheer Babu
Prof. Y. Sudheer Babu, Ph.D (IITM)
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Jreen
External Examiner

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**DESIGN OF OVERHEAD TANK AND WATER
DISTRIBUTION SYSTEM FOR A VILLAGE USING
WATERCAD**

A project report submitted to the
Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

In

CIVIL ENGINEERING

By

N. JASWANTH (15H71A0158)

K. NAGA KOTESWARA RAO (15H71A0162)

K. VENKATA TEJA (15H71A0193) J. NIHARIKA (15H71A0165)

Under the esteemed guidance of

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

Assistant Professor

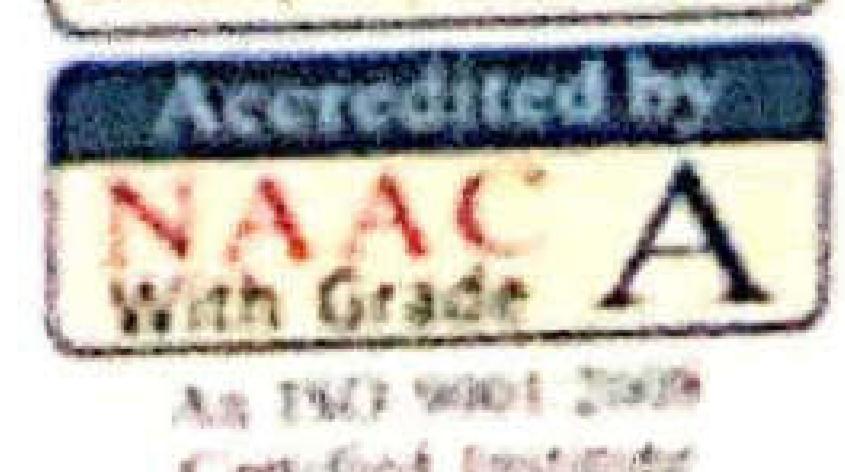
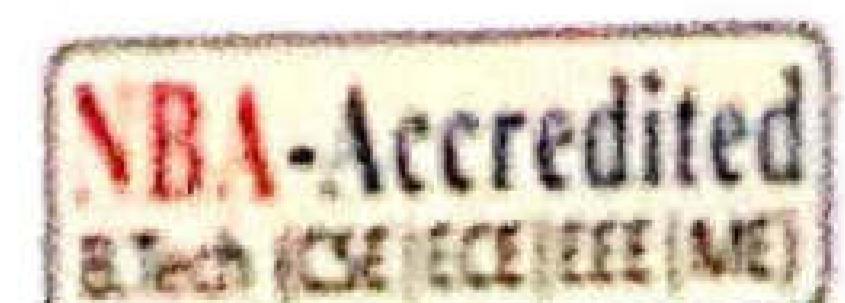
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**Devineni Venkata Ramana & Dr.Hima Sekhar
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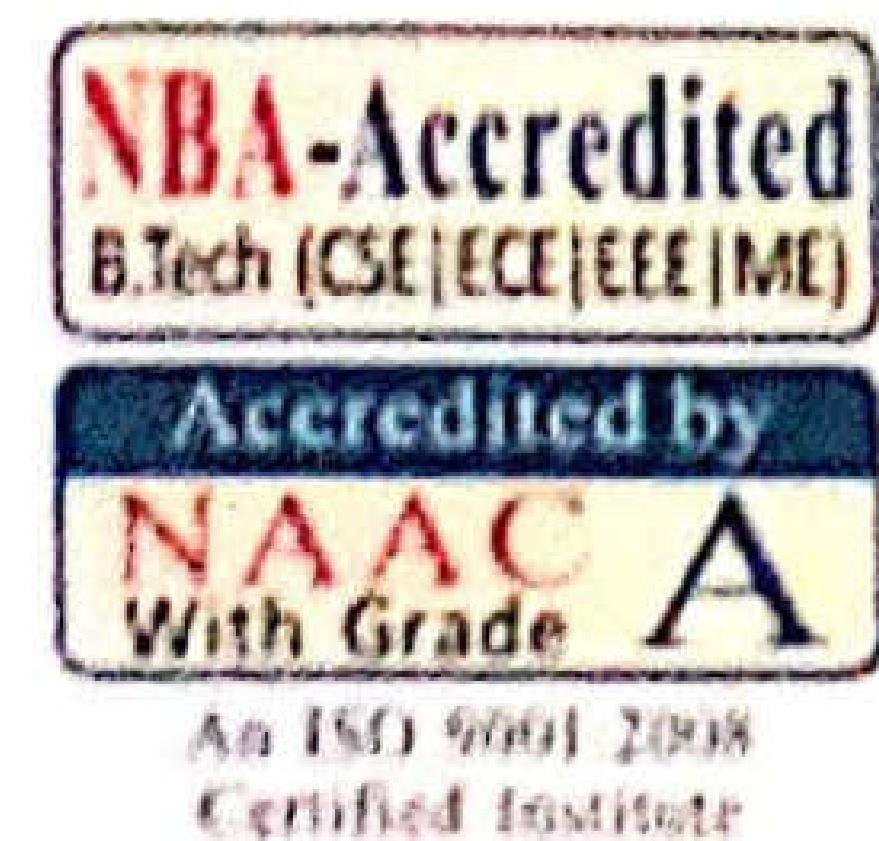




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This is to certify that the project report entitled "**DESIGN OF OVERHEAD TANK AND WATER DISTRIBUTION SYSTEM FOR A VILLAGE BY USING WATERCAD SOFTWARE**" from **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA**, is a bonafied work done by **Mr. N. JASWANTH (15H71A0158)**, **Mr. K. NAGA KOTESWARA RAO (15H71A0162)**, **Mr. K. VENKAT TEJA (15H71A0193)**, **Ms. J. NIHARIKA (15H71A0165)** under my guidance during the academic year 2018-19 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.

Chairadu
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Assistant Professor

Project Guide

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Associate Professor

Head of the Department

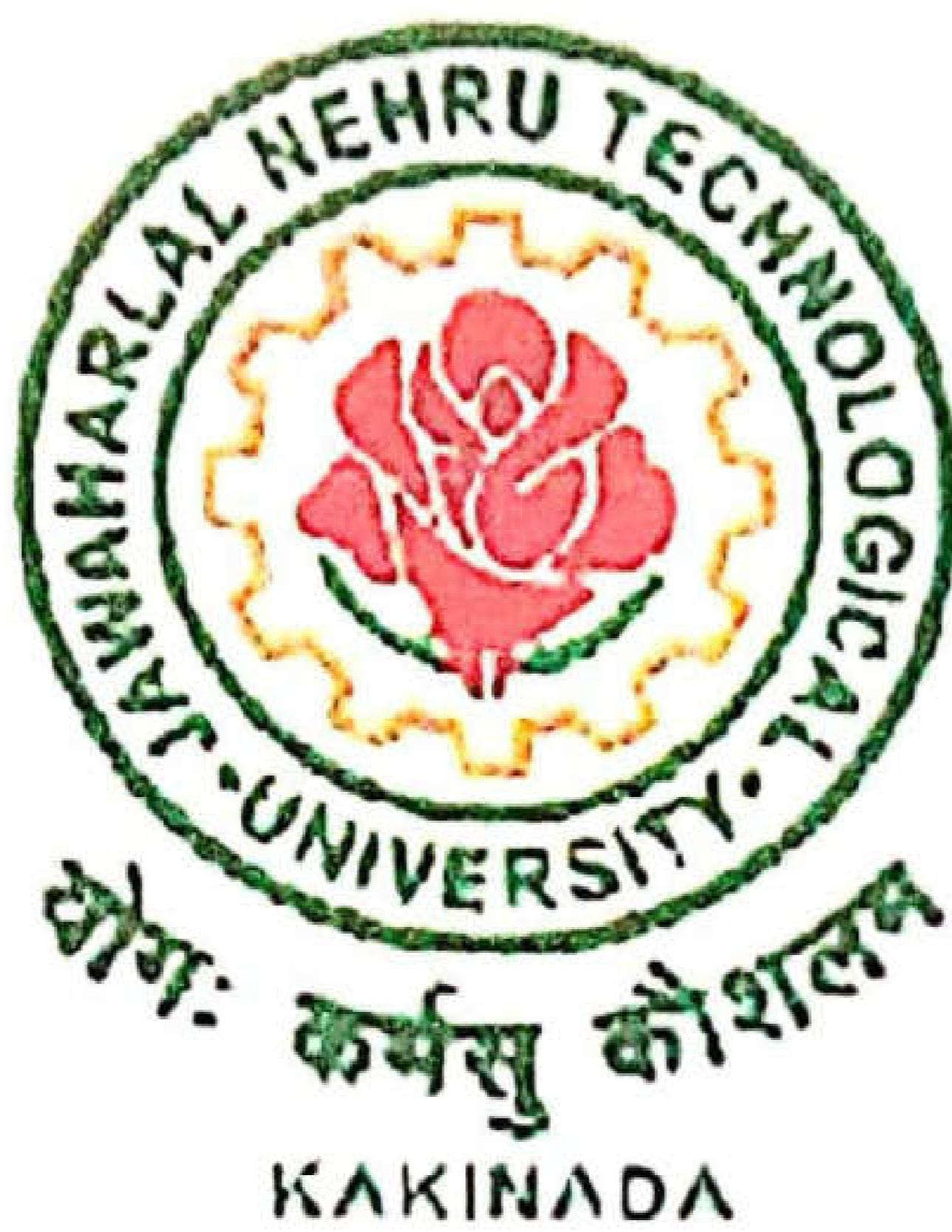


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Dr.Y.Sudheer Babu, Ph.D. (IITM)

Principal
Dr.Y. SUDHEER BABU, Ph.D., IITM
PROFESSOR
Devineni Venkata Ramana & Dr. Hima Sekhar
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KANCHIKACHERLA, Krishna District

Keeru
EXTERNAL EXAMINER

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



NUMERICAL MODELING OF CABLE STAYED BRIDGE USING SAP

*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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M. PAVAN KALYAN (15H71A0168)

P. FAREED KHAN (15H71A0166)

S. PRUDHVI (15H71A0172)

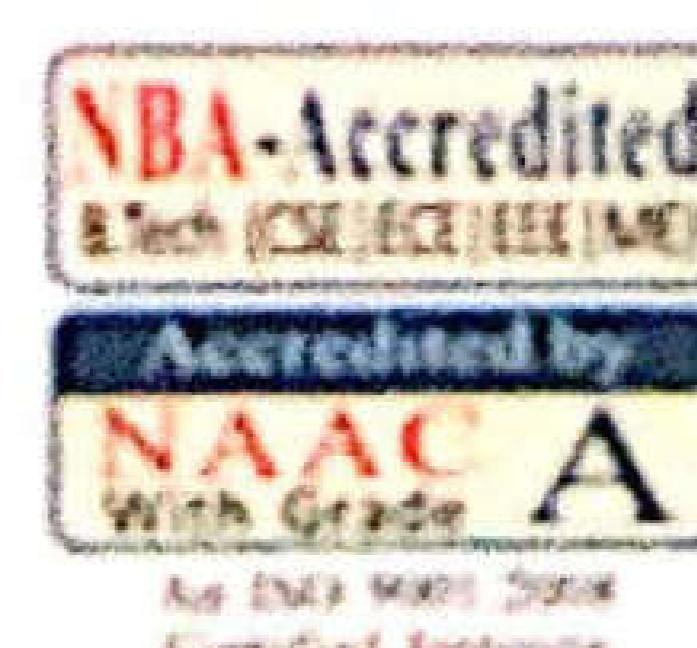
**Under the esteemed guidance of
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Associate Professor
Department of Civil Engineering**

2015 – 2019



**Devineni Venkata Ramana & Dr.Hima Sekhar
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Submitted for the End Semester Examination held on.....

Dr. S. SYED IBRAHIM

Associate Professor & Project Guide



Mr. N. V. SUBBA RAO

Head of the Department

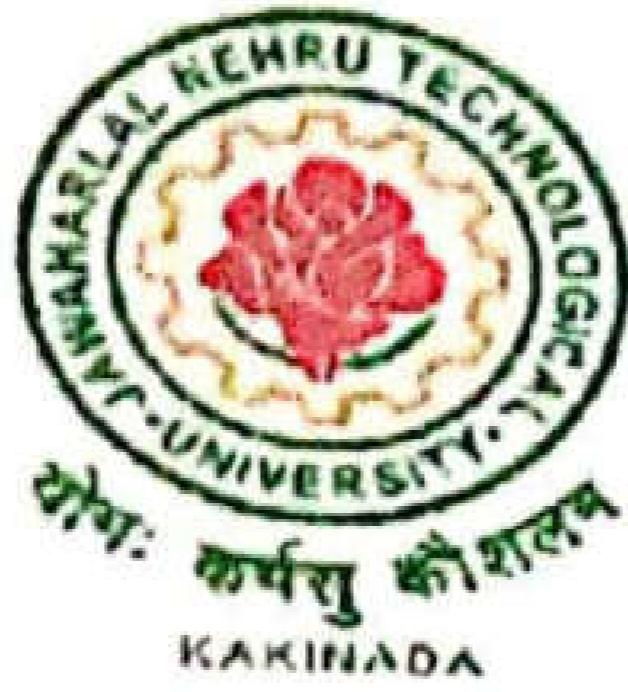
Prof. Y. SUDHEER BABU

Principal
Dr.Y. SUDHEER BABU, Ph.D, IITM
PRINCIPAL

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

~~External Examiner~~

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA**



**ANALYSIS AND DESIGN OF DOMED AUDITORIUM
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

P.SAIKIRAN (15H71A0179)

T. THRIKANTH (15H71A0190)

P. PRUDHVI NAGA SAI (16H75A0113)

M .VINAY KUMAR (15H71A0194)

Under the esteemed guidance of
Dr. S. SYED IBRAHIM

Associate Professor

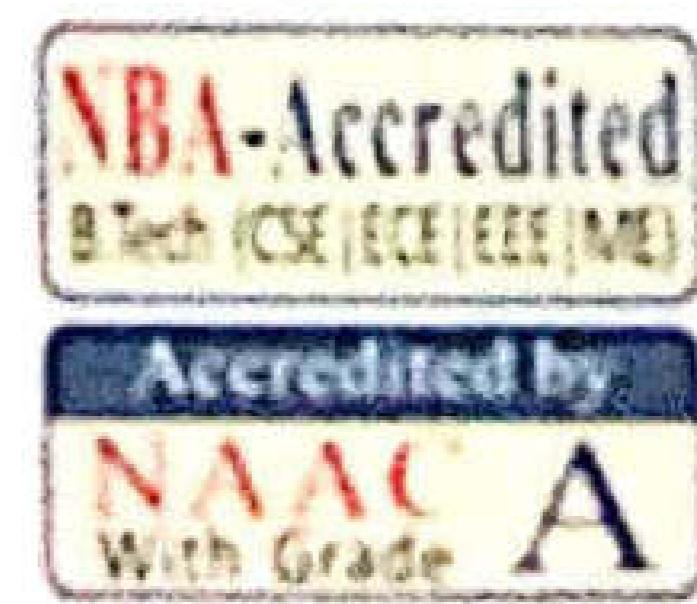
DEPARTMENT OF CIVIL ENGINEERING



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2015-2019



Devineni Venkata Ramana & Dr Hima Sekhar
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CERTIFICATE

This is to certify that the project report entitled "**ANALYSIS AND DESIGN OF DOMED AUDITORIUM 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**. It is a bonafide work done by **P. SAIKIRAN, T. THRIKANTH, P. PRUDHVI NAGA SAI, and M. VINAY KUMAR** bearing Reg. No. 15H71A0179, 15H71A0190, 16H75A0113, and 15H71A0194 under my guidance during the academic year 2018-'19 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.

Submitted for the End Semester Examination held on.....

Dr. S. SYED IBRAHIM

Associate Professor & Project Guide

Head of the Department



Prof. Y. SUDHEER BABU
Principal

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

PROFESSOR
Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

External Examiner

**Project guide allotment****EEE – F 031**

DEPARTMENT:E.E.E

DATE: 04/12/2018

ACADEMIC YEAR:2018-19

SEMESTER:IV/II(A)

Batch No.	Regd.no	Name of the Student	Internal Guide	Project Title
1	16H75A0221	D.Yoga Harshitha	Dr.T.Vamsee Kiran	Autonomous Military Surveillance robot
	15H71A0204	K.Bhanu Prakash		
	16H75A0206	P.Kiran Pumar		
	15H71A0229	K.Soraj Kumar		
	15H71A0214	Ch.Kranthi Kumar		
2	15H71A0230	S. Sirisha	Dr.S.Sateesh Sukahvasi	Solar Based Pesticide Sprayer
	15H71A0231	S.Siva Gopi Krishna		
	15H71A0238	P.V.V.N.Vamsi Krishna		
3	15H71A0205	M.D.N prasuna.	Dr.deepak Kumar	Design and Analysis of 204Ghz Rectenna
	16H75A0217	K.Thirupathi rao		
	16H75A0210	M.Pavani		
	15H71A0217	D.M.C.S.Kumar		
4	15H71A0233	T.S.N.Pravallika	Mr.P.Pradeep	Design & Implementation of Anti ATM Machine
	15H71A0203	M.Anil Kumar		
	16H75A0218	K.V.D.S.Pranav		
	16H75A0205	D.Jayaram		
5	16H75A0208	P.Nagarajuna	Mr.M.Nagaswara Rao	IOT Based Smart Grid System Using Arduino
	15H71A0232	K. Sri Krishna		
	15H71A0209	B.Gopi Krishna		
	16H75A0214	B.Sai Vijay Babu		
6	15H71A0216	M.Lakshmi Priyanka	Mr. N. Rajesh Babu	Password based circuit breaker using GSM
	16H75A0209	B.Neeraj		



	15H71A0236	G.Srujana		module
	16H75A0219	V.Vinay		
7	16H75A0215	S.Siva Krishna	Mr.K.N.Swamy	Wireless Auto Power Tripping GSM Alert System During LPG Gas Leakage
	15H71A0210	B.Gopi Krishna		
	16H75A0211	A.prashnath		
	16H75A0203	R.D.Rao		
8	15H71A0224	J.Pavan Kumar	Mr. M. Sunil Kumar	Accident Prevention Using Eye Blinking & Alcoholic Sensor
	16H75A0202	G.Dinesh		
	15H71A0222	P.Naveen		
	15H71A0240	Vinod Kumar		
9	15H71A0221	A.Naga Lakshmi	Mr.P.Pradeep	Unmamed level crossing controller
	15H71A0212	G.Jaya Kirshna Reddy		
	15H71A0215	K.Kranthi Mani		
	16H75A0213	D.Ratna Bose		
10	15H71A0239	A.Vinod Kumar	Mr.M.Ramesh	Speed Control on Sensitive zones using RF control
	16H75A0212	B. Raghu		
	15H71A0218	SK.Mehajanbee		
	16H75A0207	B. M. Reddy		
11	15H71A0211	M. Jagadish	Mr.M.Tharun	Performance of Virtual Synchronous Machines Autonomous Mode of Operation
	15H71A0223	Naveena Rasi		
	15H71A0220	SK Muzeeb		
	15H71A0207	M.Gideon		
12	15H71A0227	K .rama Lakshmi	Mr.K.N.swami	Improvement of Hybrid Bike and Air Pollution Reduction
	15H71A0213	B.Jyothirmai		
	16H75A0216	G. Surendra		
	16H75A0222	N.Y.V.Subrahmanyam		
13	15H71A0228	T.Ramya Sree	Mr.M.Rammohan	Optimal Reactive power Dispatch Using Farmland Fertility Algorithm
	15H71A0234	K.Sri tejaswi		
	16H75A0204	P.Hema Sundra		
14	15H71A0206	Ch.V.ramu	Mr.V.sriram	GSM and GPS based air pollution monitoring for vehicles
	15H71A0226	M.p.latha		
	15H71A0201	Y.Akhil		
	16H75A0220	U.Yedukondalu		
	15H71A0206	Ch.V.ramu		

Project Coordinator

Head of the Department



PROJECT GUIDE ALLOTMENT

EEE – F031

DEPARTMENT:E.E.E

Date: 04/12/2018

ACADEMIC YEAR:2018-19

Semester: IV/II(B)

Batch No.	Regd.no	Name of the Student	Internal Guide	Project Title
1	15H71A0259	V.Pavani	Mr.N.Venu Babu	Gesture Controlled Robot Using Arduino Uno
	15H71A0262	N.Basava Raju		
	16H75A0223	N.Ram Gopi		
2	15H71A0254	K.Lakshmi	Mrs.N,Renuka Devi	Monitoring and Control of substation using Arduino with GSM
	16H75A0239	P. Swetha		
	14H71A0262	M. Jagadish		
3	15H71A0272	T.Sravani	Dr.S.Sateesh Sukhavasi	IOT Based air Pollution Monitoring System Using Arduino
	15H71A0260	M.Raj Kumar		
	15H71A0263	P.Rami Reddy		
	14H71A0235	K.Sai Gur Dev		
4	15H71A0269	SK.Saidabee	Mis.P Durga Bhavani	Smart Vision For The Blind
	16H75A0225	M.Gopichand		
	16H75A0267	CH.Trinadh		
	14H71A0279	V.Sai Kiran		
5	16H75A0236	E.Sai Kumar	Dr.T.Vsee Kiran	Vertical Axis wind Turbine
	15H71A0237	S.Shyam sundar		
	15H71A0228	T.K.chaitnaya		
6	16H75A0226	P.Jahnnavi	Mr.S.Ravikanth	Energy Preserving System for Smart Grid
	15H71A0242	G.Anvesh Sai		
	16H75A0231	M.Naveen		
	15H71A0241	J.Alekhya		
7	15H71A0251	S Kavya sri	Mr.A.V Ravi Kumar	Speed control of dc motor using arduino and GSM modem
	15H71A0258	K Nagarjuna		
	15H71A0256	M.Malleswara		



	15H71A0268	Priyanka		
8	15H71A0244	K.B.LNiharika	Dr.Deepak Kumar	An Improved Single Stage Transformer less Photovoltaic Inverter Connected To Grid
	15H71A0265	D.Ramya Sree		
	15H71A0255	T.L.Puja		
	15H71A0248	B.Hemanth		
9	16H75A0240	J.Uma Bharathi	Mr.Ajith Kumar Singh	Powering The Electric Car With Dynamos
	16H75A0242	A,Yesubabu		
	16H75A0230	Naga Prasad		
	15H71A0275	Ch.Suchitha		
10	16H75A0224	A.D.Naveena	Mr.N.Rajesh Babu	GSM Based Industrial Protection System
	15H71A0270	R.Sainadh		
	15H71A0264	G.Ramya		
11	16H75A0241	S.Vinay Kumar	Mr.P.Vishnu	IOT Application For High Power Water Pumps
	16H75A0266	K.Ravi Verma		
	15H71A0253	T.K.Chaitanya		
	15H71A0245	K.Chiranjeevi		
12	15H71A0250	K.Jagadeesh	Mr.P.Gangadher	Speed Control Of DC Motor Using PID Controller
	15H71A0276	P.V.M .Sudha		
	14H71A0289	M.V.T.Trinadh		
	15H71A0247	SK.G.M.Ameeruddin		
13	15H71A0252	K.Keerthy	Mr.T.Jayaraju	Development of ant rigging voting system using finger prints based on Arduino
	15H71A0246	M.Dhana Lakshmi		
	16H75A0229	D.Manjunath		
	16H75A0238	K.S.T.V.Chari		
14	16H75A0232	B.Pavan Kumar	Dr.T.Vamsee Kiran	Bird Repeller Using Ultrasonic Sound Generator Near Airports
	16H75A0227	J.Kevin Kumar		
	16H75A0201	T.Balaji Sai		

Project Coordinator

Head of the Department



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA

AN IMPROVED SINGLE-PHASE SINGLE-STAGE BUCK BOOST CONVERTER CONNECTED TO GRIP

• A general report on the state of the art

International Nizhny Technological University, Nizhny Novgorod
is a joint institution for the award of the degrees of

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而後才開始為他們的子孫們所傳承，並在他們的子孫中繁衍。

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Volume 20 Number 10 October 2010

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Conducts the investigation of the PAPC with respect
to the conduct of the PAPC.

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www.mic.edu.in | +91 98452 55555 | +91 98452 55556
Bhopal - 462010 | Madhya Pradesh | India
Email: mic@mic.edu.in | www.mic.edu.in



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This is to certify that the above project named "AN IMPROVED SINGLE PHASE SPACED-SEGMENT TRANSFORMERLESS PHOTOVOLTAIC INVERTER CONNECTED TO GRID" being submitted for the partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University Kakinada, is a honest work done by ALEX VILASILVA D'MARCO, Reg. No. T2 student, page. II. Research scholar can guarantee during his/her academic year 2018-2019 that this hasn't been published or submitted according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Dr. Béatrice Léonard, M.Sc., Ph.D.
Université de Montréal
Département de psychologie
Professeure titulaire

Eric Sander-Krebs, M.D., Ph.D.
Professor A

Head of the Department:
Bimalak K. Bhattacharya
SFT B-20, 2nd floor, College of Technology,
Kharagpur-721 302, India.

Dr. V. Sudharsan Balaji, M.Tech., Ph.D.
Principal

[View Details](#)

JEWELLERY NEDU TECHNOLOGICAL UNIVERSITY KARNAKA



"MILEAGE IMPROVEMENT OF BIKE AND REDUCTION OF AIR POLLUTION USING HHO GENERATOR"

Submitted to
Jewellery Nedu Technological University KarnaKA
in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted by

ELUMAANIE LAKSHMI JASWANTH

RAJENDRA BABU M

COMPUTER SCIENCE DEPARTMENT

K.V.SUBRAHMANYAM (DEPT.HEAD)

Under the External Guidance of
Mr. A.N.SW & MV.M.Tech.(Ph.D.)
Assistant Professor

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



Devaraja Venkata Ramayya & Dr. Hema Selvar
MIC College of Technology

Approved by Govt. of India and Accredited by NAAC
Address:- 22100, Bengaluru - 560042
2008-2009



Devaraja Venkata Ramayya & Dr. Hema Selvar
MIC College of Technology

Approved by Govt. of India and Accredited by NAAC
Address:- 22100, Bengaluru - 560042
2008-2009



CERTIFICATE

This is to certify that the Main Project titled "MILEAGE IMPROVEMENT OF BIKE AND REDUCTION OF AIR POLLUTION USING HHO GENERATOR" is a research work carried out by ELUMAANIE LAKSHMI JASWANTH, RAJENDRA BABU M, K.V.SUBRAHMANYAM (DEPT.HEAD), in partial fulfillment for the award of degree of Bachelor of Technology in Electrical & Electronics Engineering of Jewellery Nedu Technological University KarnaKA during the year 2018-19.

ELUMAANIE LAKSHMI JASWANTH

Project Date:



(Dr. ELUMAANIE LAKSHMI JASWANTH)

Head of the Department

(Dr. V. SUBRAHMANYAM (DEPT.HEAD))

Principal

Approved by
NAAC Accredited College
MIC COLLEGE OF TECHNOLOGY

Exhibit 3

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



VOICE CONTROL ROBOT BY ABUDING LIND

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

BACHELOR OF TECHNOLOGY

ELECTRICAL AND ELECTRONICS ENGINEERING

By

S. PAVANI (STETPL2020)

SREENIVASAN (STETPL2020)

N. RAHUL (STETPL2020)

Under the esteemed guidance of

Mr. N. VENKATESWARA RAO,

Assistant Professor

Department of EEE



Dr. Venkateswaran & Dr. Hema Sekhar
MIC College of Technology

Accredited by NAAC, Accredited by AICTE & BCIETE, and MHRD
Kakinada - 531001, Andhra Pradesh, India.

2018-19

Dr. Venkateswaran & Dr. Hema Sekhar **MIC College of Technology**

Accredited by NAAC, Accredited by AICTE & BCIETE, and MHRD
Kakinada - 531001, Andhra Pradesh, India.

2018-19



CERTIFICATE

This is to certify that the project report titled "VOICE CONTROL ROBOT BY ABUDING LIND" being prior submission of the requirement for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada is bona-fide work done by S. PAVANI (STETPL2020), SREENIVASAN (STETPL2020), N. RAHUL (STETPL2020) under my guidance during the academic year 2018-19 and it has been found suitable for acceptance according to the requirement of the institute. This work is not submitted to any other institution or university for the award of any degree.

Mr. N. Venkateswaran

Assistant Professor

Project guide



Dr. T. Vamsi Krishna, M.Tech, Ph.D.

Professor

Head of the Department
Electrical & Electronics Engineering
GATE & IIT-JEE Qualified Lecturer
Kakinada - 531001, Andhra Pradesh, India.

Dr. T. Vamsi Krishna, M.Tech, Ph.D.

Principal

College of Engineering & Technology
MIC College of Technology
Kakinada - 531001, Andhra Pradesh, India.

EXAMINED

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD



SMART VISION FOR THE BLIND

A project report submitted to the

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

BACHELOR OF TECHNOLOGY

In

ELECTRICAL AND ELECTRONICS ENGINEERING

By

MALATHI MANDIYANNAKONDA
TELECOM ENGINEERING

CITATION NO. (0977) / 2017
YEAR: 2017 / 2018

Under the guidance of
Mrs. P. Durga Bhavani, M.Tech.,
Associate Professor,
Department of EEE

Devaray Venkata Ramana & Dr. Mano Babu
MIC College of Technology
Affiliated to JNTU & Accredited by AICTE, NAAC
Category 'A', 113, No. 1000, 1st, 10th Main,
Opp. NTR Institute, Sec. 160, Hyderabad
E-mail: mic@mic.edu.in | Web: www.mic.edu.in
2018-19



Devaray Venkata Ramana & Dr. Mano Babu
MIC College of Technology

Address: 113, No. 1000, 1st, 10th Main,
Sec. 160, Hyderabad - 500061, India



CERTIFICATE

This is to certify that this main project report entitled " SMART VISION FOR THE BLIND" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Hyderabad, is a feasible work done by NAAC-accredited, NAQF-certified, CII-Technotech, Vaidika-techno, by guidance during the academic year 2016-17 and it has been found suitable for acceptance according to the requirements of the university. This work is not submitted to any other institution or university for the award of any degree.

Mrs. P. Durga Bhavani, M.Tech.

Associate Professor

Project Guide



Dr. T. V. DHEEN BABU, M.Tech, Ph.D

Professor

Chairperson, Department of Electrical and Electronics Engineering
Devaray Venkata Ramana & Dr. Mano Babu
College of Technology
113, No. 1000, 1st, 10th Main, Hyderabad - 500061, India | Tel: +91 98490 62171

Dr. T. V. DHEEN BABU, M.Tech, Ph.D

Principal

PTM COLLEGE

Devaray Venkata Ramana & Dr. Mano Babu
MIC College of Technology
113, No. 1000, 1st, 10th Main, Hyderabad - 500061, India

Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



GSM AND GPS BASED AIR POLLUTION
MONITORING FOR VEHICLES

A project submitted to the

Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

1. CIRUVENKATA RAMA (138ETLA026)

2. SUPRIYA LATHE (138ETLA027)

3. YAKHIL (138ETLA028)

4. VEDICKONDALE (138ETLA029)

Under the esteemed guidance of

MR.V.SHRIBANU S. I.A.S.

Assistant Professor

Department of EEE

Principal Visakha Kumar & Dr. Venkateswaran

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2018-19

Principal Visakha Kumar & Dr. Venkateswaran

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E-mail: mic@mic.kakinada.ap.nic.in, website: www.mic.ac.in

2018-19



CERTIFICATE

This is to certify that the project report titled "GSM AND GPS BASED AIR POLLUTION MONITORING FOR VEHICLES" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, was submitted and done by CIRUVENKATA RAMA (138ETLA026), SUPRIYA LATHE (138ETLA027), YAKHIL (138ETLA028) and VEDICKONDALE (138ETLA029). All the work presented in this project report was carried out during the academic year 2017-18 and has been found suitable for acceptance according to the requirements of the university. This work is not submitted at any other institution or university for the award of any degree.

Sincerely,
Mr. V. SHREBANU, M.A.S.
Assistant Professor
Project Guide

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



Seal

Dr. V. SHREBANU, M.A.S., M.Tech

Principal

Dr. V. SHREBANU, M.A.S., M.Tech

Professor

Head of the Department of Electrical and Electronics Engineering

2018-19

Agree,



INTERNATIONAL SCIENCE TECHNOLOGICAL UNIVERSITY
HANOI, VIETNAM

WORKING ON A SUSTAINABLE FUTURE WITH THE GROWTH COMPACT

A preprint report submitted to the
Institutional Review Board, Worcester Polytechnic Institute

The journal is published by the School of Public Health, University of Michigan.

第六章 計算機的運算與存儲

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REFERENCES AND NOTES

REFERENCES

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REFERENCES AND NOTES



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by MHRD, Govt. of India, Accredited by NAAC
Phone: 080-2543 0000, 080-2543 0001



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This is to certify that the name present entitled "IMPLEMENTATION OF A SUBSTITUTION PROCESS ADDITIVE WITH CAMP" being submitted for the partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Electrical and Electronics Engineering from Savitribai Phule Technological University, Kolhapur, is a honest work done by R.Lakshmi, M.Science, P.E. who was my student during the academic year 2018-19 and I have 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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Page 1

Head of the Department:
Dept. of Electrical
Engineering
Electrical Engineering
Electrical Engineering

第2章第1节 例题与练习 24

10

III. Categories of Business Acquisitions

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



DESIGN & IMPLEMENTATION OF ANTI-THEFT ATM MACHINES

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

TANU NAGA PRAVALEENA (13087140201)
MANI LITMAN (13087140202)
EVENEGALA DEVARLA SAI PRANAY (13087140203)
BLAVI SRINIVAS (13087140204)

Under the informed guidance of
Mr. P. Pradeep, M.Tech (Ph.D.)

Associate Professor
Department of EEE



2018-19

Deputy Vice-Chancellor & Dr. Hira Sarker
MIC College of Technology
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Kakinada - 531001, Andhra Pradesh, INDIA
Phone: 08672221111, Fax: 08672277000
www.miccollegeoftechnology.ac.in, e-mail: www.miccollege.ac.in



CERTIFICATE

This is to certify that the project report entitled "DESIGN & IMPLEMENTATION OF ANTI-THEFT ATM MACHINES" being submitted for the partial fulfillment 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 feasible work done by TANU NAGA PRAVALEENA, EVENEGALA DEVARLA SAI PRANAY and BLAVI SRINIVAS under my guidance during the academic year 2015-16 and it has been found suitable for acceptance according to the regulations of the university. This work may be submitted to any other institution/university for the award of the degree.

P. PRADEEP, M.Tech (Ph.D.)
Associate Professor
Project Guide



Dr. T. VENKATESWARA RAO, M.Sc.
Professor
Head of the Department



Dr. T. VENKATESWARA RAO, M.Sc.
Dr. T. VENKATESWARA RAO, M.Sc.
Professor
Head of the Department
MIC College of Technology
Kakinada - 531001, Andhra Pradesh, INDIA



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



ABOVE TWO BASED INDUSTRIAL AUTOMATION USING MODEM

A project report submitted to the
Jawaharlal Nehru Technological University, Kakinada

In partial fulfillment for the award of the degree of

MATERIALS IN TECHNOLOGY

in

ELECTRICAL AND ELECTRONICS ENGINEERING

by

T. KRISHNA CHAITANYA SURESHWARU,
R. VENKATESWARA RAO,
R. CHIRANJEETI SURESHWARU
R. RAVI VARMALA SURESHWARU

Under the guidance of

Mr. P. THAKUR

Assistant Professor
Department of EEE



Devendri Venkateswar & Dr. Hema Sekhar
MIC College of Technology

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2018-2019



Devendri Venkateswar & Dr. Hema Sekhar
MIC College of Technology

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Phone: 080-22202200, 080-22202201, 080-22202202
and Accredited by NAAC, MHRD, India



2018-2019

CERTIFICATE

This is to certify that the project report titled "ABOVE TWO BASED INDUSTRIAL AUTOMATION Using Modem" being submitted for the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, in a double major mode by MR. T. KRISHNA CHAITANYA SURESHWARU my guidance being the academic supervisor. I have taken due care for its preparation according to the requirement of the university. We wish to award him/her the above mentioned degree for the award of two degrees.



Mr. P. THAKUR, M.Tech
Assistant Professor
Project Guide

Mr. T. VENKATESWARA RAO, M.Tech
Professor
Head of the Department

Dr. S. MUTHU RAMA RAO, Ph.D.
Professor
Head of the Department
and Director of Research
and Development, MIC College of Technology
Kakinada, A.P., India - 500001

Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KARNATAKA



A CANCERIZED MODULAR MULTILEVEL INVERTER TOPOLOGY
USING NOVEL SERIES BASIC UNITS WITH A REDUCED NUMBER OF
SWITCHES

A project report submitted to the

Jawaharlal Nehru Technological University, Karnataka

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

By

VBALAJI SAI (S0711040)
BUPAYAN KUMAR (S07110402),
JAEVIN ALIKAAR (S07110403),

Under the esteemed guidance of

Dr.T.Venkatesh Kiree, M.Tech.

Professor & Head

Department of EEE

Jawaharlal Nehru & Dr. D. Y. Patil
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2018-19



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e-mail: mic@miccollege.ac.in, website: www.miccollege.ac.in



CERTIFICATE

This is to certify that the project report titled "A CANCERIZED MODULAR
MULTILEVEL INVERTER TOPOLOGY USING NOVEL SERIES BASIC UNITS
WITH A REDUCED NUMBER OF SWITCHES" being submitted as a part of fulfillment
of the requirements for the award of the degree of Bachelor of Technology in Electrical and
Electronics Engineering from Jawaharlal Nehru Technological University, Karnataka, is a
honest work done by VBALAJI SAI (S0711040) and BUPAYAN KUMAR (S07110402)
under my guidance. During the execution, their behavior and it has been found suitable for the purpose
according to the requirements of the university. This report is not submitted to any other institution
or university for the award of any degree.



Dr. T. Venkatesh Kiree, M.Tech.
Professor
Project Guide

Dr. T. Venkatesh Kiree, M.Tech.
Professor

Department of Electrical Engineering
Jawaharlal Nehru Technological University
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Bengaluru - 560089, Andhra Pradesh, India

Signature

Dr. T. SUDHEER BABU, M.Tech
Dr. T. SUDHEER BABU, M.Tech
Professor
Project Guide

Signature



KARINADA

SPEED CONTROL OF DC MOTOR USING ARDUINO
AND GSM MODEM

A project report submitted to the
Jnnakademi Neri Technological University Kakinada

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

By

SRAVYA SRI (STUDENT)
KALAGURUVA RUPY (STUDENT)
M. MALLESHWAR RAJ (STUDENT)

Under the research guidance of
Mr. A.V. Ravikumar, M.Tech (Ph.D)
Assistant Professor
Department of EEE

Design & Developed by Dr. Mano Sudha

MIC College of Technology

Approved by AICTE & Accredited by NBA, Accredited
Kakinada - 533001, Andhra Pradesh, AP, India
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2018-19



Journal Version Pending at the time of Issue

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CERTIFICATE

This is to certify that the above project titled "SPEED CONTROL OF DC
MOTOR USING ARDUINO AND GSM MODEM" being submitted for the partial
fulfillment of the requirements for the award of degree of Bachelor of Technology in
Electrical and Electronics Engineering from Jnnakademi Neri Technological
University Kakinada is a honest work done by S.Ravya Sri, R.Kalagurava Rupu,
M.Malleswara Raj under my guidance during the academic year 2014-2017 and it has
been found suitable for acceptance according to the regulations of the university. This
work is not submitted to any other institution or university for the award of any degree.

Mr. A.V. Ravikumar, M.Tech.(Ph.D)

Assistant professor

Project Guide



Dr. T. Venkatesh Kiran, M.E., Ph.D

Professor

Head of the Department
Head of the Department
Electrical & Electronics Engineering
Jnnakademi Neri Technological
University Kakinada - 533001, Andhra Pradesh, AP, India

Dr. Y.S. DHEERAJ BABU, M.Tech., Ph.D

Examiner

Principal

Dr. ——————
Designated Principal of the Institute
Head of the Department of Electrical Engineering
Examination Control Officer



DESIGN AND ANALYSIS OF 2,4-DM BENTONITE

Journal of Northern Tradition is a quarterly journal of the *Institute of the History of the Northern Tradition*, University of Cambridge.

BACHELOR OF TECHNOLOGY
III
ELECTRICAL & ELECTRONICS ENGINEERING

Submitted by
MR. NARAYANA PRASAD
S. TIRUPATHI RAO
MR. V. VENKATESWARA
S. M. CHANDRASHEKAR

Under the Esteemed Guidance of
Dr DEEPAK KUMAR, M.Tech., Ph.D.
Associate Professor

DEPARTMENT OF MATHEMATICAL & COMPUTATIONAL ENGINEERING



◎上篇

This is to certify that the Main Project entitled "DESIGN AND ANALYSIS OF LIGHT REACTOR" is a further work carried out by MUTHUVEL RAJA PRASADH (199714000), A. THIRUMALA BHAGAVATHAM, SURESH CHITTHARAN, V. MANGALAKRISHNA, and R. MOHAN (199714017) in partial fulfillment for the award of the degree of Bachelor of Technology in Electrical Engineering of Jawaharlal Nehru Technological University, Hyderabad, Andhra Pradesh - 500 082.



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देश की सबसे बड़ी संगठनी

John T. Murray, Esq., Boston, Mass.
Dr. V. Murray, Boston, Mass.
J. Murray, Boston, Mass.

10 of 10

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



PROJECT TITLE

AUTONOMOUS MILITARY SURVEILLANCE 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

D. VISHA HARSHITHA (1648754023)
GIRISHAN PRAKASH (1648754024)
P. KIRAN KUMAR (1648754025)
S. SARATH KUMAR (1648754026)

Under the esteemed guidance of

Dr. T. Venkateswara Rao,
Professor and Head
Department of EEE

**DivyaVidhanamgudi Dr. Visweswaran
MIC College of Technology**

Approved by AICTE & Government of Andhra Pradesh
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Phone: 08776-211111, Fax: 08776-212345
Email: mic@mic.kakinada.ap.nic.in, website: www.mic.ac.in
2018-19

**DivyaVidhanamgudi Dr. Visweswaran
MIC College of Technology**

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Email: mic@mic.kakinada.ap.nic.in, website: www.mic.ac.in

2018-19

CERTIFICATE

This is to certify that the project report entitled "AUTONOMOUS MILITARY SURVEILLANCE ROBOT" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, in a semester mode, by Dr. T. Venkateswara Rao, Professor, P. Kumar Kumaraswamy, Survey Measurement and Geodetic Surveying M.Tech, 2014-15 and it has been found suitable for the purpose of the award of the degree of Bachelor of Technology. This work is not submitted to any other institution for award of any degree.



Dr. T. Venkateswara Rao,
Project Guide

Dr. T. Venkateswara Rao,
Head of the Department

26-0

Dr. C. M. DEEPMALA, M.Tech
Dr. Y. S. R. Prasad, M.Tech

Deputy Director of Quality Assurance
MIC College of Technology
Kakinada - 531101, Kakinada, AP, India

Asst Prof
Asst Prof



ISSN 1062-1024 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100

A Project Report on
CMM BASED PROTECTIVE SYSTEMS IN THE VEHICLES

Submitted to
Institute of Space Technology, University of Alberta,
in partial fulfillment for the award of the degree of
BACHELOR OF PHYSICS

REFERENCES AND NOTES

Page 11

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Under the guidance of
Mr. N. BALKHANI BABU, M.A., M.Sc.
Assistant Professor

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100



MIC College of Technology

1. *Journal of the American Revolution*, Vol. 1, No. 1, 1952, pp. 1-2.



DISCUSSION

This is to certify that the main project entitled "**CAN BASED PROTECTION SYSTEM IN INDUSTRIES**" being submitted by the present Author of the project for the award of Degree of Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Hyderabad, is a honest work done by A. Hema Narasimha Reddy, B. Aditya Prasad, C. Bhupesh (M.Tech) under my guidance. During the entire period of 2011 and 2012 I have found nothing incompatible according to the requirement of the project. This work is not submitted to any other institution or university for the award of any degree.

題庫問題

Page 10

Page 10



What is the Department?

Fig. 11. The same as Fig. 10.

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Geodynamics and Tectonics

International Journal

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KARNATAKA



ENERGY PRESERVING SYSTEM FOR SMART ROOMS (EPSR)

A project report submitted to the
Jawaharlal Nehru Technological University, Karnataka
In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL AND ELECTRONICS ENGINEERING

By

PRABHAKAR (1807734020)

GANESH RAJ (1807734020)

M.S. SURESH (1807734020)

SALYANI S (1807734020)

Under the guidance of

MR. SHANTHAKUMARAN,
Assistant Professor
Department of EEE

Devendar Venkata Ramana & Dr. Hima Sekhri
MIC College of Technology

Approved by AICTE, DEemed-to-be UNIVERSITY, NAAC with 'A' Grade
Registration No.: D11706, Bengaluru - 560 086, KARNATAKA, INDIA

2020-2021



Devendar Venkata Ramana & Dr. Hima Sekhri
MIC College of Technology

Approved by AICTE, DEemed-to-be UNIVERSITY, NAAC with 'A' Grade
Registration No.: D11706, Bengaluru - 560 086, KARNATAKA, INDIA



CERTIFICATE

This is to certify that the project report titled "ENERGY PRESERVING SYSTEM FOR SMART ROOMS (EPSR)" being submitted to the panel members of the Department for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Karnataka, is a原创 work done by PRABHAKAR, M.S. SURESH, SALYANI S under my guidance during the academic year 2019-20 and it has been found suitable for acceptance according to the regulations of the university. This work is no similar to any other project or research by the student or any other.


Mr. SHANTHAKUMARAN,
Assistant Professor
Project Guide




Mr. T. ASWATH RAM, M.Tech, P.G.
Principal,


MIC COLLEGE OF TECHNOLOGY
BENGALURU - 560 086
Approved by AICTE, DEemed-to-be UNIVERSITY
NAAC with 'A' Grade


Mr. T. VENKATESWARAN, M.Tech
Professor
Head of the Department


Chairman of the Department
Electrical & Electronics Engineering
MIC COLLEGE OF TECHNOLOGY
BENGALURU - 560 086, KARNATAKA, INDIA

Headman

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



AN IMPROVED H-PC CONTROLLER TO PROVIDE ADDITIONAL-GRID VOLTAGE REGULATION AS A STATCOM

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
ELECTRICAL AND ELECTRONICS ENGINEERING
BY

DINESH BABU (DEPARTMENT:
ELECTRICAL)

RUNALA PRASAD (DEPARTMENT:
CIVIL/CHITRA (159714679)

Under the general guidance of
MR. AJEET SINGH SINGH, M.Tech.
Assistant Professor

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



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Established: 1998 | Approved: 2005



CERTIFICATE

This is to certify that the above project titled "AN IMPROVED H-PC CONTROLLER TO PROVIDE ADDITIONAL GRID VOLTAGE REGULATION AS A STATCOM" being submitted for the partial fulfillment of the requirement for the award of Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University Kakinada, is a honest work done by JAWAHARLAL NEHRU BABU, RUNALA PRASAD, CHAITRA during his academic year 2014-2015 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. Ajay Kumar Singh, M.Tech.
Assistant professor
Project Guide



Dr. T. Venkateswara Rao, M.Tech., Ph.D.
Professor &
Head of the Department

Dr. T. Venkateswara Rao, M.Tech., Ph.D.
Principal

Dr. K. Subbarao, M.Tech., Ph.D.
Pro-Chancellor
Babu Banarasi Das University
Autonomous, Deemed to be University
Kanpur, Uttar Pradesh, India

President



"JAVA ALGORITHM – AN EFFECTIVE TUNING TECHNIQUE FOR PID CONTROLLERS"

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

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

By

R. AGARWAL (PROJECT STUDENT)

P.V.N. KOMALA (PROJECT STUDENT)

MUTHU PRAVEEN (PROJECT STUDENT)

G.S.H. ANKITHA (PROJECT STUDENT)

Under the Extended Guidance of
Mr. P.NAGA GANCADEEP, M.Tech
Assistant Professor

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



CERTIFICATE

This is to certify that the Main Project titled "JAVA ALGORITHM – AN EFFECTIVE TUNING TECHNIQUE FOR PID CONTROLLERS" is a creditable work submitted by RAGHU GANESH (PROJECT STUDENT), PV.NEELIMA (PROJECT STUDENT), MUTHU PRAVEEN, G.S.H. ANKITHA (PROJECT STUDENTS) in partial fulfillment for the award of degree of Bachelor of Technology in Electrical & Electronics Engineering of Jawaharlal Nehru Technological University, Karwada during the year 2018-19.

Mr. P.Naga Ganadeep
Project Supervisor



Dr. P. VENKESWARA
Head of the Department

Head of the Department
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D.Y. SUDHAKAR BABU

Dr. D. DILIP (Principal)

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MIC College of Technology
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Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KARINADA



QSM BASED SMART AGRICULTURE SYSTEM WITH AUTO SOLAR TRACKING

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

BACHELOR OF TECHNOLOGY

In
ELECTRICAL AND ELECTRONICS ENGINEERING
To

R. K. RAHUL SHANKARAN
C. ANANTH LAKSHMI REDDY & PRAKASH MURTHY

Under the guidance of

SRI. S. SIVA KUMAR,
Assistant Professor
Department of EEE



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CERTIFICATE

This is to certify that the project titled "QSM Based Smart Agriculture System with Auto Solar Tracking" being submitted for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Hyderabad, is a **legitimate work** done by **MKARUNIKA R. ANANT LAKSHMI REDDY & PRAKASH MURTHY** under my guidance during the academic year 2015-16 and it has been done entirely by acceptance according to the requirement of the University. This work is not submitted to any other institution or university for the award of any degree.



Dr. T. Venkateswara Rao,
Associate Professor
Project Co-ordinator



Dr. T. Venkateswara Rao,
Professor
Head of the Department



Dr. V. Srinivasulu, M.Tech
Principal

Dr. V. Srinivasulu, M.Tech
Principal

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
RAKINHAD



Performance of Virtual Synchronous Machine in Autonomous Mode of Operation

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
ELECTRICAL AND ELECTRONICS ENGINEERING
By

1. JAGATHRAJ (08BTCE01)
2. NAVEEN KASIBI (08BTCE02)
3. SHREYAS (08BTCE03)
4. CHINNAPPA (08BTCE04)

Under the concerned guidance of

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

Deputy Director & Head of Project Cell
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Deputy Director & Head of Project Cell
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Academic Year: 2015-16, Academic Session: 2015-16



CERTIFICATE

This is to certify that the project report titled "Performance of Virtual Synchronous Machine in Autonomous Mode of Operation" being submitted for the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada is a honest work done by JAGATHRAJ, NAVEEN KASIBI, SHREYAS, CHINNAPPA, in accordance with my guidance during the academic year 2015-16 and it has been found suitable for acceptance according to the regulations of the university. This work is not submitted to any other institution for the award of any degree.

Mr. M. TIRUPATHI,
Assistant Professor
Project Guide



Dr. T. VENKATESWARA RAO,
Professor &
Head of the Department

Mr. T. DEEPMALA, M.Tech
Professor

Dr. V. SAIJI, M.Tech, Ph.D
Professor

Deputy Director & Head of Project Cell
MIC College of Technology



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



DEVELOPMENT OF ANTRIGGERING VOTING SYSTEM USING FINGER PRINTS BASED ON ANDROID

A project report submitted to the
Jawaharlal Nehru Technological University, Hyderabad
In partial fulfillment for the award of the degree of

THE MUSICAL INSTRUMENTS

6

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REFERENCES 1970-71. *Journal of Research in Mathematics Education*, 1970-71, 1971. *Journal of Research in Mathematics Education*, 1971-72, 1972.



10 of 10

This is to certify that the paper entitled "DEVELOPMENT OF ANTHROPOLOGICAL VISION SYSTEM USING SPATIAL POINTS BASED ON ARDUINO" has submitted for the partial fulfillment of the requirement for the award of degree of Bachelor of Technology in Electrical and Electronics Engineering from Jayaprakash Nair Technological University, Bangalore, in a bounded work done by KALYANITHI ARAVYA, MUDHAA LAKSHMI, H.MANGALI and K.SRI PUSA SREERADHA Chari under my guidance during the academic year 2018-2019 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted for any other examination or consideration for the award of any degree.



Mr. D. L. Johnson, M.D.
Associate professor
Dental Faculty



Dr. T. Venkatesh Alagum, M.S., Ph.D
Professor
Head of the Department
Electrical & Electronics Engineering
VIT & Co., PG-UGC College of Technology
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DR. S. S. SAWHNEY, M.D., Ph.D.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



"Solar Based Particle Sprayer"

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

BACHELOR OF TECHNOLOGY
in
ELECTRICAL & ELECTRONICS ENGINEERING

Submitted by

R. Nanda (158ETLA020)
R. Meenakshi Krishnan (158ETLA011)
P. V. A. S. Vinay Kumar (158ETLA009)

Under the Extended Guidance of

Dr. Sudarshana K. Nalluru,
Professor

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Government Approved E.I.T.Y. Project No. 07704
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2018-2019



CERTIFICATE

This is to certify that the above Project titled "Solar Based Particle Sprayer" is a feasible work carried out by R. Nanda (158ETLA020), R. Meenakshi Krishnan (158ETLA011) & P. V. A. S. Vinay Kumar (158ETLA009) in partial fulfillment for the award of degree of Bachelor of Technology in Electrical and Electronics Engineering of Jawaharlal Nehru Technological University, Kakinada during the year 2018-19.

Mr. N. Venkateswaran, M.Tech

Project Supervisor

Mr. T. Venkateswaran, M.Tech

Head of the Department

(Dr. T. Sudarshana Nalluru, M.Tech)

Dr. S. E.I.T.Y. Principal

Approved by
Dr. S. E.I.T.Y. Principal
Date: 10/01/2019
AICTE Approved Project No. 07704
Address: MIC College of Technology
Plot No. 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 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697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 7510, 7511, 7512, 7513, 7514, 7515, 7516, 7517, 7518, 7519, 7520, 7521, 7522, 7523, 7524, 7525, 7526, 7527, 7528, 7529, 75210, 75211, 75212, 75213, 75214, 75215, 75216, 75217, 75218, 75219, 75220, 75221, 75222, 75223, 75224, 75225, 75226, 75227, 75228, 75229, 752210, 752211, 752212, 752213, 752214, 752215, 752216, 752217, 752218, 752219, 752220, 752221, 752222, 752223, 752224, 752225, 752226, 752227, 752228, 752229, 7522210, 7522211, 7522212, 7522213, 7522214, 7522215, 7522216, 7522217, 7522218, 7522219, 7522220, 7522221, 7522222, 7522223, 7522224, 7522225, 7522226, 7522227, 7522228, 7522229, 75222210, 75222211, 75222212, 75222213, 75222214, 75222215, 75222216, 75222217, 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A Power System
GSM-BASED FAULT LOCATOR

*Subsidized by
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in partial fulfillment for the award of the degree of
DOCTOR OF PHILOSOPHY*

THE TECHNICAL PRACTICES OF CALLERS

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CONTINUATION

This is to certify that the Project Report entitled "AEROSOL BASED CIRCUIT BREAKER" is a feasible work carried out by **DEEPMALA PRATAPRAO CHITTHARAKHANDEKAR** RAJ RAM PATEL KISHORI HIRSHAKHANDE, **GURUJANNA CHITTHARAKHANDEKAR**, **RAJESH PATEL**, submitted as partial fulfillment of the requirement for award of degree of Bachelor of Technology in **Electrical & Electronics Engineering** from **Savitribai Phule Technological University, Kolhapur, India** for year 2004-05. The results of investigation recorded in this report have been verified and found satisfactory. The results contained in this project report have not been submitted to any other University or Institute for the award of any other degree.

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Dr. L. V. MURKILLO
Head of the Department

REFERENCES AND NOTES

REVIEWED by **John C. H. Studdert-Kennedy**



TWINNING OF SOLAR AND VERTICAL AXIS WIND SYSTEMS

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

ELECTRICAL AND ELECTRONICS ENGINEERING

By

SRIKANTH (16073A028)

SURYAN RUDRA (16073A027)

TEKSHINA CHATTIYANNA (16073A029)

Under the guidance of

Dr. T. VASU KRISHNA

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Accredited by NBA, 2016

2018-19



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CERTIFICATE

This is to certify that the project report titled "TWINNING OF SOLAR AND VERTICAL AXIS WIND SYSTEMS" being submitted for the award of the degree of Bachelor of Technology in Electrical and Electronic Engineering by Jawaharlal Nehru Technological University, Kakinada, in partial fulfillment for the award of the degree of

—
is submitted under the guidance of Dr. T. Vasu Krishna (16073A028), T. Venkatesh Chaitanya (16073A027) under my guidance during the academic year 2018-19 and it has been found suitable for academic awarding by the authority of the university. This work is not submitted to any other institution or university for the award of any degree.

Dr. T. Vasu Krishna, M.Tech



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ELAUNCH

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



HIT BASED AIR POLLUTION MONITORING SYSTEM 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

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MURALI KUMAR (BTET14073)

KRISHNA BABU (BTET14074)

KALI GURU DEV (BTET14075)

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This is to certify that the above project report entitled " HIT BASED AIR POLLUTION MONITORING SYSTEM USING ARDUINO " being submitted for the partial fulfillment 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. Srivani , M. Kali Kumar , P. Kaliguru Dev , K. Sri Guru Dev under my guidance during the academic year 2016-17 and it has been found suitable for acceptance according to the requirement of the university. This work is also submitted to any other institution or university for the award of any degree.



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EXAMINED



IOT BASED SMART ENERGY MANAGEMENT SYSTEM 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

in
ELECTRICAL AND ELECTRONICS ENGINEERING

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This is to certify that the project report titled "IOT BASED SMART ENERGY MANAGEMENT SYSTEM USING ARDUINO" being submitted
for the partial fulfillment of the requirements for the award of the degree in
Bachelor of Technology in Electrical and Electronics Engineering from
Jawaharlal Nehru Technological University, Kakinada, in a thesis, work
done by **NAGARAJA P, SRI KRISHNA, GOWI KRISHNA B** and **SATYAVATI BABU** under my guidance during the academic year 2018-19 and is
an honest, original, self-supporting, according to the maximum of the
abilities. This work is not submitted to any other institution or authority for the
award of any degree.

Given at
Mr. M VAKILUR RAHMAN M.Tech
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KARNATAKA



BOT BASED ACCIDENT PREVENTION USING EYE BLINKING AND ALCOHOLIC SENSOR

A project report submitted to the
Jawaharlal Nehru Technological University, Karnataka
In partial fulfillment for the award of the degree of
BACHELOR OF TECHNOLOGY

By

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This is to certify that the project report titled "BOT BASED ACCIDENT PREVENTION BY USING EYE BLINKING AND ALCOHOLIC SENSOR" has submitted for the award of the degree of the Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Karnataka, is a bona fide work done by SAFARIKUMAR, GURPREET, PRATEEK, R.VISHNU VARDHAN under my guidance during the academic year 2018-19 and that it has been accepted for acceptance according to the requirements of the concerned. This work is now submitted to any other institution or university for the award of any degree.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

KARNATAKA



PROJECT TITLE

**SPEED CONTROL OF VEHICLE AT SENSITIVE ZONES
BY USING BE 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

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This is to certify that the project report titled "SPEED CONTROL OF VEHICLE AT SENSITIVE ZONES BY USING BE CONTROL" being submitted for the partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bona fide work done by Avinash Kumar, Rajesh, Shreya Kannan and Rajagopal Kumar Reddy under my guidance. During the academic year 2014-15 and it has been found worthy for acceptance according to the requirement of the university. This work is not submitted or any other institution or concerned for the award of any degree.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



UNMANNED LEVEL CROSSING CONTROLLER AND RAIL
TRACK BROKEN DETECTION SYSTEM USING IR SENSORS AND
INTERNET OF THINGS TECHNOLOGY

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

ANAGI LAKSHMI (18BT1007)
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This is to certify that the project report titled "UNMANNED LEVEL CROSSING
CONTROLLER AND RAIL TRACK BROKEN DETECTION SYSTEM USING IR
SENSORS AND INTERNET OF THINGS TECHNOLOGY" being submitted for the
partial fulfillment of the requirements for the award of the degree of Bachelor of Technology
in Electrical and Electronics Engineering from Jawaharlal Nehru Technological
University, Kakinada, is a honest work done by ANAGI LAKSHMI, GLAVI
KRISHNA REDDY, KIRANTHI MANI, BRAJUVA RENU under my guidance during
the academic year 2018-19 and is fit for award without any objection according to the
regulations of the university. This work is not submitted to any other institution or university
for the award of any degree.

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Associate Professor
Department of EEE.



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Professor
Head of the Department

Dr. V.M. Dinesh Babu, Ph.D., M.Tech
Dr. T. S. Vinod Kumar

Department of Electrical Engineering
Electrical, Control and Instrumentation
Electrical and Electronics Engineering
Electronics and Communication Engineering



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
RAKINADA



OPTIMAL REACTIVE POWER DISPATCH USING FARMFIELD
FERTILITY ALGORITHM

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

BACHELOR OF TECHNOLOGY
in
ELECTRICAL AND ELECTRONICS ENGINEERING
by

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Under the supervised guidance of
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Dr. Venkata Ravinder & Dr. Mano Sudha
MIC College of Technology

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CERTIFICATE

This is to certify that the project report titled "Optimal Reactive Power Dispatch using Farmfield Fertility Algorithm" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Electrical and Electronics Engineering, from Jawaharlal Nehru Technological University, Hyderabad, is a honest work done by T. Rahna Sri, M.Sc. Project and P. Deva Kumar Rao under my guidance during the period, 2008-10 and it has been found suitable for acceptance according to the requirements of the university. This work is not submitted in any other competition or examination for the award of any degree.



Dr. Venkata Ravinder
Mr. M. Deiva Kumara Babu, M.Tech
Assistant Professor
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Department of Mechanical Engineering

A.Y:2018-19

List of Major Projects

Batch No	Reg. No	Name of the Student	Project Supervisor	Project Title
A1	14H71A0322	VENKATA BHANU PRASAD U	R. Ranjith Kumar	Investigation of mechanical properties of animal teeth powder reinforced AL matrix composite prepared by stir casting
	14H71A0315	NARENDRA G		
	14H71A0306	SANDEEP M		
	14H71A0321	SARATHCHAND D		
	14H71A0334	ANIL R		
A2	14H71A0357	PARDHA SARADHI J	K.Srinivas	Optimize nozzle angle for nozzle minimization of stress in pressure vessel made of alloy A-Z 86
	14H71A0354	SAI SRINIVAS CHOWDARY S		
	15H75A0306	GOPI SAI TEJA B		
	14H71A0343	CHARAN SAI DURGA CHAND M		
	14H71A0348	NAVEEN A		
A3	15H75A0305	SAI A	Y.Naga prasad	Effect of sea shell particulate addition on the mechanical properties of aluminium metal matrix composite
	14H71A0309	SAI SRINIVAS CHOWDARY S		
	14H71A0301	GOPI SAI TEJA B		
	14H71A0335	CHARAN SAI DURGA CHAND M		
	14H71A0330	NAVEEN A		
A4	14H71A0359	MANI KUMAR K	Dr.G.Rajesh	Evalution of Testing properties & Thermal conductivity of phrag
	14H71A0353	SAI KRISHNA P		
	14H71A0355	SAI KUMAR K		
	14H71A0318	SUBHASH S		
	14H71A0324	VIJAY SRAVAN P		
A5	15H75A0308	IMRAN MD	K.Ramesh	Design &Analysis of simple low frequency vibration Isolation system using Negative stiffness
	14H71A0344	VENKATESH K		
	14H71A0319	VAMSI KRISHNA N		
	14H71A0305	ANIL KUMAR CH		
	15H75A0302	SURYA NAIK R		
A6	14H71A0346	VENKATA TEJA CH	M.V.Ramana	Error idetification in finite element practice of a missile component
	14H71A0310	UDAY KUMAR K		
	14H71A0342	SAI A		
	14H71A0317	SAI SRINIVAS CHOWDARY S		
	14H71A0350	GOPI SAI TEJA B		
A7	14H71A0346	CHARAN SAI DURGA CHAND M	K.Sai chand	



	14H71A0310	NAVEEN A		Optimization of Green sand mould properties by using Taguchi based principal concept analysis (PCA)
	14H71A0342	MANI KUMAR K		
	14H71A0317	SAI KRISHNA P		
	14H71A0350	PUNNA REDDY CH		
A8	14H71A0308	ARAVINDA SWAMY Y	Ch.Sowjanya	Design &Analysis of Sand Bucket Excavator
	14H71A0332	DURGA RAO		
	14H71A0312	KRANTHI RANA DEV K		
	14H71A0358	LAKSHMI NARAYANA M		
	13H71A0331	SUNI SUMANTH CH		
A9	15H75A0301	MOULANA ABDULKALAM AZAD SK	M.Venkatesh	Design and analysis of aerodynamic drag reduction for SU vehicle Mahindra TUV 300
	14H71A0326	RAJA SURENDRA V		
	14H71A0339	PRASANNAKUMAR S		
	14H71A0341	SRI NAGA V D SAI KUMAR		
	14H71A0311	NARENDRA GOPI K		
A10	14H71A0325	PRAVEEN B	M.V.Ragavendra	Evaluation of tensile properties of agave americana reinforced polyster composites
	14H71A0356	GURU PRASAD M		
	14H71A0302	IBRAHIM MD		
	14H71A0338	NADEEM SK		
	14H71A0347	GNANA DILEEP B		
A11	15H75A0307	GOPINATH REDDY M	B.Srinivasa rao	Design and Analysis of solar Refrigeration & air conditioning system
	14H71A0352	ENOSH KUMAR V		
	14H71A0329	KOWSHAL K		
	14H71A0337	PUNNA REDDY CH		
	13H71A0305	ARAVINDA SWAMY Y		
A12	14H71A0349	DURGA RAO	G.V.V.N.G.Vital	Evalution of mechanical properties of Basalt powder banana fiber reinforced polyster hybrid composite
	14H71A0345	KRANTHI RANA DEV K		
	14H71A0316	LAKSHMI NARAYANA M		
	14H71A0340	SUNI SUMANTH CH		
	14H71A0349	VENKATA BHANU PRASAD U		
A13	15H75A0304	NARENDRA G	K.Appalaraju	Influence of fiber orientation on mechanical properties of sisal,jute,flax and reinforced epoxy composites
	14H71A0303	SANDEEP M		
	14H71A0314	SARATHCHAND D		
	14H71A0304	ANIL R		
	14H71A0351	PARDHA SARADHI J		



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B1	16H71A0320	RAVI CHANDRA Y	Ch S R T P Sai	design&fabrication of coconut dehusking machine
	15H71A0358	MAHE MUNEER SK		
	16H75A0316	ASHOK P		
	16H75A0321	SAI ANIL KUMAR P		
	15H71A0380	SUJITH KUMAR CH		
B2	15H71A0377	SRIKANTH B	M. Prasanth	design and fabrication of free energy air pump
	15H71A0349	BALANJI REDDY K		
	15H71A0356	JAGADESH KUMAR G		
	15H71A0378	SRINIVASU A		
	15H71A0347	ARAVIND BABU A		
B3	15H71A0360	MOHAN SAI V	Dr. V. Srinivasa Sai	design and fabrication of nut removal and tightening by geneva mechanism
	15H71A0368	RAM SAI P		
	15H71A0375	SANNI BABU M		
	15H71A0381	SUMANTH M		
	15H71A0367	RAM MOHAN P		
B4	15H71A0364	NAVEEN P	Md. Ashhar Tufail	design and fabrication of multipurpose farm machine
	15H71A0348	B MANIKANTA SAI A		
	15H71A0350	BHARATH CHANDRA K		
	15H71A0388	MAHE MUNEER SK		
	16H75A0324	SURESH G		

B5	15H71A0369	SAI A	M. Venkatesh	design and fabrication of multipurpose machine tool based on withworth quick return mechanism
	15H71A0371	SAI SRINIVAS CHOWDARY S		
	15H71A0354	GOPI SAI TEJA B		
	15H71A0353	CHARAN SAI DURGA CHAND M		
	15H71A0363	NAVEEN A		
B6	16H75A0319	MANI KUMAR K	B. Srinivasa Rao	design and fabrication of trolley by four bar chain mechanism
	15H71A0370	SAI KRISHNA P		
	16H75A0323	SAI KUMAR K		
	15H71A0379	SUBHASH S		
	15H71A0389	VIJAY SRAVAN P		
B7	16H75A0317	IMRAN MD	K. Srinivas	design and fabrication of school bag trolley
	15H71A0387	VENKATESH K		
	15H71A0383	VAMSI KRISHNA N		
	15H71A0346	ANIL KUMAR CH		
	15H71A0382	SURYA NAIK R		
B8	16H75A0327	VENKATA TEJA CH	Dr. M Kaladhar	



	16H75A0326	UDAY KUMAR K		double box shifting system
	15H71A0355	HARSHAD SK		
	15H71A0372	SANDEEP A		
	15H71A0359	MANIKANTA SURYA V		
B9	16H75A0318	LOKESH K	Sk. Mahaboob Basha	investigation of hand operated shaping and slotting mechanism
	15H71A0385	VENKATA BHANU PRASAD U		
	15H71A0361	NARENDRA G		
	15H71A0374	SANDEEP M		
	15H71A0376	SARATHCHAND D		
B10	16H75A0315	ANIL R	A. Naga Pavan Kumar	design and fabrication of thermo electric refrigeration system
	15H71A0365	PARDHA SARADHI J		
	15H71A0384	VENKATA AKHIL D		
	15H71A0386	VENKATA PAVAN KALYAN N		
	15H71A0390	VINAY KUMAR P		
B11	16H75A0322	SAI KRISHNA K	Pintu Kumar	design and fabrication of hydraulic scissor lift
	16H75A0325	SWAMY A		
	15H71A0373	SANDEEP G		
	15H71A0357	LEELA SAI KRISHNA RAO J		
C1	15H71A03C4	SRIMAHESH P	Narendra Khatre	design & fabrication of pedal operated hacksa
	16H75A0332	K PAVAN KUMAR K		
	16H75A0329	BALAJI NAYAK B		
	15H71A0394	CHAITANYA M		
C2	15H71A03B8	SAI DATTA P	M.Pradeep	design & fabrication of sand refinement by rotary mechanism
	16H75A0339	SRI SAI CHARAN B		
	14H71A0307	Athaullah Sk		
	15H71A03B5	RAFI MD		
	14H71A0382	Kalyan D		
C3	15H71A03C7	VENKATA NAGA GOPI P	K. Supriya	design & fabrication of mini solar refrigeratio
	16H75A0335	NAVEEN N		
	16H75A0342	VENKATA SAI KUMAR P		
	14H71A0336	Sai Kumar P		
	15H71A03B9	SAI JAGADEESH V		
C4	15H71A03A9	NARESH KUMAR R	B. Ashwini Kumar	design & fabrication of go-cart with special attachments
	15H71A0393	AVINASH G		
	16H75A0340	SUMAN RAJU B		
	15H71A03A4	MAHESH T		
	15H71A03B7	RAMESH P		



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C5	15H71A03B0	NAVEEN N	S. Sarath Chandra	design & fabrication of hands free welding
	15H71A03C7	VENKATA NAGA GOPI P		
	16H75A0341	TEJA P		
	15H71A0339	SURESH BABU V		
	15H71A03C6	SURYA PRAKASH CHOWDARY J		
C6	16H75A0336	RADHAKRISHNA D	Upendra Yadav	design & fabrication of mini solar refrigeration
	15H71A03C1	SAI SRINIVASA RAO V		
	16H75A0337	SAI TEJA B		
	15H71A0396	GOPI I		
	15H71A03C3	SRI KRISHNA G		
C7	15H71A03A7	N ARUN KUMAR M	Dr. Y Naresh	design & fabrication of pyramid type solar still
	15H71A03B4	PUNNA REDDY CH		
	15H71A0392	ARAVINDA SWAMY Y		
	15H71A03D0	DURGA RAO		
	15H71A03A2	KRANTHI RANA DEV K		
C8	16H75A0333	LAKSHMI NARAYANA M	Dr. Naveen Sharma	design & fabrication of pyramid type solar stil
	15H71A03C5	SUNI SUMANTH CH		
	15H71A03A6	MOULANA ABDULKALAM AZAD SK		
	15H71A03B6	RAJA SURENDRA V		
	15H71A03B2	PRASANNAKUMAR S		
C9	16H75A0338	SRI NAGA V D SAI KUMAR	D. Divya	design & fabrication of rocker bogie mechanism
	15H71A03A8	NARENDRA GOPI K		
	15H71A03B3	PRAVEEN B		
	15H71A0397	GURU PRASAD M		
	15H71A0398	IBRAHIM MD		
C10	16H75A0334	NADEEM SK	P Bhagat Singh	design & fabrication of non metalic slab coupled with peijo electric material of power generation
	16H75A0330	GNANA DILEEP B		
	16H75A0331	GOPINATH REDDY M		
	15H71A0395	ENOSH KUMAR V		
	15H71A03A1	KOWSHAL K		

Signature of Coordinator

Signature of HoD

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



**PERFORMANCE ANALYSIS OF SUNFLOWER
BIO-DIESEL ON CI ENGINE**

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

Central Library
Devineni Venkata Ramana & Hima Sekhar
MIC College of Technology



PR02170

**BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING**

By

R. SIVA KRISHNA (16H75A0311)

P. PRASAD (16H75A0307)

T. GOPI (15H71A0310)

P. AJAY VARMA (15H71A0302)

MD. RAFI VULLAH (15H71A0328)



Under the Esteemed Guidance of

Mr. A. NAGA PAVAN KUMAR

Assistant Professor

Department of Mechanical Engineering

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2018-2019





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DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

Certified that the project entitled "**PERFORMANCE ANALYSIS OF SUNFLOWER BIO-DIESEL ON CI ENGINE**" which is a bonafide work carried out by R. SIVA KRISHNA, P. PRASAD, T. GOPI, P. AJAY VARMA and MD. RAFI VULLAH bearing register numbers 16H75A0311, 16H75A0307, 15H71A0310, 15H71A0302, and 15H71A0328 in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

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Asst. Professor



Head of the Department

Dr. M. Sreenivasa Rao

Professor

Principal

Dr. Y. Sudheer Babu

Dr. Y. SUDHEER BABU, Ph.D., IITB
PRINCIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
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KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2



JAWI MUSICAL INSTRUMENT TECHNOLOGICAL INSTITUTE

KAKINADA

THE BRIEF STUDY OF OPERATIONS TO REDUCE THE BREAKDOWN TIME OF MACHINES IN MAINTENANCE DEPARTMENT IN AMARA RAJA MANGAL INDUSTRIES

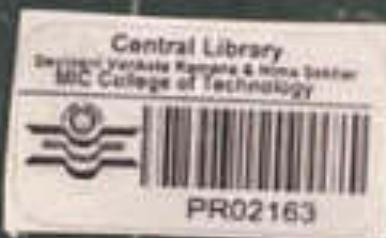
A Project Report Submitted to

Jawaharlal Nehru Technological University, Kakinada

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

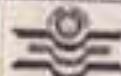
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Mechanical Engineering



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Editorial Committee
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Mr. P. BHAGAT SINGH

External

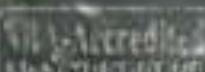
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B.Tech (CSE/ECE/EEE/ME)

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NAAC A
With Grade
As NAAC Accredited
College No. 100000

DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

Certified that the project entitled "**THE BRIEF STUDY OF OPERATIONS TO REDUCE THE BREAK DOWN TIME OF MACHINES IN MAINTENANCE DEPARTMENT IN AMARA RAJA MANGAL INDUSTRIES**" which is a bonafied work carried out by **SK.NADEEM**, bearing register number **16H75A0334**, in partial fulfilment for the award of degree of bachelor technology in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-19. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Internal Guide

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Associate Prof.

Head of the Department
Dr.M.Sreenivasa Rao
Professor



External guidance

P. Eswara Pradeep (HOD of maintenance)

Y. Lok Pavan (in charge of maintenance)

Principal

Dr. Y. SUDHEER BABU
Dr.Y. SUDHEER BABU, Ph.D, IITK
FACULTY
Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner-1

Examiner-2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



THERMOGRAVIMETRIC ANALYSIS OF CARBON FIBER REINFORCED POLYMER COMPOSITE WITH BASALT POWDER AS FILLER MATERIAL

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
MECHANICAL ENGINEERING

By

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S. SAI SRINIVAS CHOWDARY

15H7IA0371

M. CHARAN SAI DURGA CHAND

15H7IA0353

B. GOPI SAITEJA

15H7IA0354

A. NAVEEN

15H7IA0363

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Under the Patronage Guidance of

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Deputy Vice-Chancellor & Dr. Hima Sekhar
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2018-2019

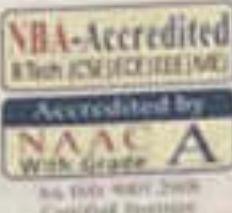
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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**THERMO GRAVIMETRIC ANALYSIS OF CARBON FIBER REINFORCED POLYMER COMPOSITE WITH BASALT POWDER AS FILLER MATERIAL**" which is a bonafide work carried out by **A. SAL, S. SAI SRINIVAS CHOWDARY, B. GOPI SAI TEJA, M. CHARAN SAI DURGA CHAND& A.NAVEEN** bearing registration number **15H71A0369, 15H71A0371, 15H71A0354, 15H71A0353 & 15H71A0363** in partial fulfilment for the award of degree of bachelor technology in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Guide

MR. M. VENKATESH

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Head of the Department

Dr. M. SREENIVASA RAO

Professor

Dr. Y. SUDHEER BABU

Principal

**Dr. Y. SUDHEER BABU, Ph.D, IITM
PRINCIPAL**
Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EXPERIMENTAL INVESTIGATION OF MECHANICAL PROPERTIES
OF ZA27 ALLOY REINFORCED WITH BORON NITRIDE

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
MECHANICAL ENGINEERING

By

Y.MANOHAR REDDY(15H71A0321)

B.SRINIVAS (15H71A0332)

D.V.S.N.MALLIK(15H71A0343)

V.RAMA KISHAN (15H71A0344)

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Under the professional Guidance of

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**EXPERIMENTAL INVESTIGATION OF MECHANICAL PROPERTIES OF ZA27 ALLOY REINFORCED WITH BORON NITRIDE**" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Mechanical Engineering from Jawaharlal Nehru Technological University Kakinada, is a bonafide work done by Y. MANOHAR REDDY, B. SRINIVAS, D. V. S. N. MALLIK, V. RAMA KISHAN, N. CHAITANYA KUMAR bearing Regd.No 15H71A0321, 15H71A0338, 15H71A0343, 15H71A0331, 15H71A0306 under my guidance during the academic year 2018-2019 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.

Project Guide

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Dr. M. Sreenivasa Rao

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Dr. V. Sudheer Babu

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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



FABRICATION OF Al-5083 COMPOSITE AND STUDY ITS
MICROSTRUCTURAL AND MECHANICAL PROPERTIES EVOLUTION

A Project Report submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

B. GNANA DILEEP (160175A0330)
N. GOPINATH REDDY (160175A0331)
V. ENOSU JUNIOR (160175A0395)
K. KUNUSU (160175A0341)

Under the Guidance of

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Associate Professor

DEPARTMENT OF METALLURGY & MATERIALS ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**FABRICATION OF Al-5083 COMPOSITE AND STUDY ITS MICROSTRUCTURAL AND MECHANICAL PROPERTIES EVOLUTION**" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Mechanical Engineering from Jawaharlal Nehru Technological University Kakinada, is a bonafide work done by **B.GNANA DILEEP, M.GOPINATH REDDY, V.ENOSH KUMAR, K.KOUSHAL** bearing Regd. No. **16H75A0330, 16H75A0331, 15H71A0395, 15H71A03A1** under my guidance during the academic year 2018-2019 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.

Project Guide

Mr. P. Bhagat Singh



Head of the Department

Dr. M. Sreenivasa Rao

Principal

Dr. Y. Sudheer Babu

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

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 KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



STRUCTURAL ANALYSIS OF CONNECTING ROD USING ANSYS WITH DIFFERENT MATERIALS

A Project Report submitted to
Jawaharlal Nehru Technological University Kakinada
to partial fulfilment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

K. PAVANKUMAR (16H75A0332)
B. BALAJI NAYAK (16H75A0329)
M. CHAITANYA (15H71A0394)

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Under the Guidance of
Mr. NARENDRA KHATRE, M.Tech
Assistant Professor



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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**STRUCTURAL ANALYSIS OF CONNECTING ROD USING ANSYS WITH DIFFERENT MATERIALS**", being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Mechanical Engineering from Jawaharlal Nehru Technological University Kakinada, is a bonafide work done by **K. PAVAN KUMAR, B. BALAJI NAYAK, M. CHAITANYA**, bearing Regd.No.16H75A0332, 16H75A0329, 15H71A0394, under my guidance during the academic year 2018-2019 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.

Project Guide

Mr. Narendra Khatre



Head of the Department

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KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



FABRICATION AND EVALUATION OF THERMAL PROPERTIES OF
GLASS FIBER REINFORCED POLYSTERE COMPOSITE

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
MECHANICAL ENGINEERING

By

M. SURENDRA BABU (16H75A0313)

D. ASHOK REDDY (15H71A0304) M. MALLIKARJUNA RAO (15H71A0319)

D. KUMAR (15H71A0317) A. ISHOK (15H71A0303)

Under the Supervision of

MR. H. SURENDRA BABU,
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DEPARTMENT OF MECHANICAL ENGINEERING



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Page No. 1





CERTIFICATE

Certified that the project entitled "**FABRICATION AND EVALUATION OF THERMAL PROPERTIES OF GLASS FIBER REINFORCED POLYESTER COMPOSITES**" which is a Bonafide work carried out by **M. SURENDRA BABU, D. ASHOK REDDY, M. MALLIKARJUNA RAO, D. KUMAR and M. ASHOK** bearing register numbers **16H75A0313, 15H71A0304, 15H71A0319, 15H71A0317 & 15H71A0303** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



TESTING AND CHARACTERIZATION OF FRICTION STIR WELDED AL6061 ALLOY

**A Project Report submitted to
Jayasharal Nehru Technological University Kakinada
In partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING**

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**TESTING AND CHARACTERIZATION OF FRICTION STIR WELDED AL6061 ALLOY**" which is a bonafide work carried out by **AMUDALA SRINIVASU** bearing register number (15H71A0378) in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project guide

Mr. M. PRASANTH

Assistant Professor



Head of the Department

Dr. M. SREENIVASA RAO
Professor

Principal

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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EXPERIMENTAL INVESTIGATION OF MICRO STRUCTURE AND
MECHANICAL PROPERTIES OF TIG WELDED AA6351 ALLOY

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

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

MD. IMRAN (15H75A0317)

K. VENKATESH (15H71A0387)

N. VAMSI (15H71A0383)

CH. ANIL KUMAR (15H71A0346)

R. SURYA RAIK (15H71A0382)

Under the Esteemed Guidance of

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Project Guide

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Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EVALUATING MECHANICAL PROPERTIES OF
LUFFA FIBER REINFORCED POLYESTER
COMPOSITE

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
MECHANICAL ENGINEERING

By

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D.V.S. JAGADEESH KUMAR (15H71A0341) S. ABHILASH (16H75A0301)

B. SUBBARAO (16H75A0312)

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Under the Esteemed Guidance of

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&

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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EFFECTS OF BASALT POWDER ON THERMAL PROPERTIES OF
GLASS FIBRE/EPOXY COMPOSITES

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
MECHANICAL ENGINEERING

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M. SAI KUMAR (15H71A0334)

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CERTIFICATE

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Project Guides

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Examiner 1

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Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA

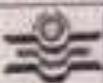


COMPARATIVE STUDY ON MICROSTRUCTURE AND
MECHANICAL PROPERTIES OF TIG AND FSW
PROCESSED Al-5083 ALLOY

A Project Report Submitted to the
Jawaharlal Nehru Technological University Kakinada
In the partial fulfillment for the Award of the degree of
BACHELOR OF TECHNOLOGY

IN
MECHANICAL ENGINEERING

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K. BALAJI REDDY (15BT1A0349)

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Assistant Professor

DEPARTMENT OF MECHANICAL ENGINEERING

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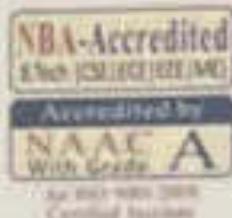
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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "COMPARATIVE STUDY ON MICROSTRUCTURE AND MECHANICAL PROPERTIES OF TIG AND FSW PROCESSED AL-5083 ALLOY" which is a bonafide work carried out K.BALANJI REDDY, G.JAGADESH KUMAR and S.SARAVIND BABU bearing register numbers 15H71A0349, 15H71A0356 and 15H71A0347 in partial fulfillment for the award of degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

MR. M. PRASHANTH

Assistant Professor

Head of the Department

DR. M. SREENIVASA RAO

Professor


Principal

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Examiner 1
Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EVALUATING FLEXURAL AND IMPACT PROPERTIES OF PHRAGMITES
KARKA FIBER REINFORCED POLYSTER COMPOSITES

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
MECHANICAL ENGINEERING

By

M. GURU PRASAD (15H71A0311)

D. RUDRA KUMAR (15H71A0333)

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Under the Esteemed Guidance of

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "EVALUATING FLEXURAL AND IMPACT PROPERTIES OF PHARGMITES KARNA FIBER REINFORCED POLYSTER COMPOSITE" which is a bonafide work carried out by M. GURU PRASAD, D. RUDRA KUMAR, K. PREETHI REDDY, SK. BAJI BASHA and P. GOPI bearing register numbers 15H71A0311, 15H71A0333, 15H71A0327, 15H71A0305 and 15H71A0309 in partial fulfillment for the award of degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

Dr. G. Rajesh

Professor

Head of the Department

Dr. M. Sreenivasa Rao

Professor

Principal

Examiner

Dr. Y. Sudheer Babu,
PRINCIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHILLA, Krishna District

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



**PERFORMANCE ANALYSIS OF BIODIESEL ON
FOUR STROKE CI ENGINE BY USING WASTE
COOKING OIL**

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

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

Central Library
Department of Vehicle Engineering & Auto. Sekhar
MTC College of Technology



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Under the technical guidance of
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Autumn 2016

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**PERFORMANCE ANALYSIS OF BIODIESEL ON FOUR STROKE CI ENGINE BY USING WASTE COOKING OIL**" being submitted for the partial fulfillment of the requirements for the award of degree in **BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING** from Jawaharlal Nehru Technological University Kakinada is a bonafide work done by **K. MANI KUMAR, P. SAI KRISHNA , K. SAI KUMAR, S.SUBASH P.VIJAY SRAVAN** bearing register numbers **16H75A0319, 15H71A0370, 16H75A0323, 15H71A0379 ,15H71A0389** during the year **2018-2019** and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to another institution or university for the award of any degree.

PROJECT GUIDE

B. SREENIVASA RAO

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EXAMINER 1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



OPTIMIZATION OF MACHINING PARAMETERS IN MACHINING OF
HARDENED EN24 STEEL

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
MECHANICAL ENGINEERING

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PR02179

By

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K.BHARATH CHANDRA (15H71A0350) G.SURESH (16H75A0324)

Under the Esteemed Guidance of
Dr. M.KALADHAR B.E., M.Tech., Ph.D., MIE
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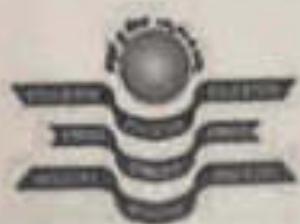
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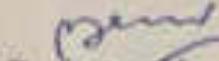
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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

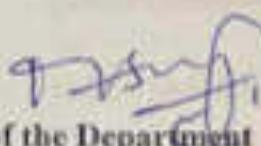
Certified that the project entitled "**OPTIMIZATION OF MACHINING PARAMETERS IN MACHINING OF HARDENED EN24 STEEL**" which is a bonafide work carried out by P.NAVEEN, A.B.MANIKANTA SAI, K.BHARATH CHANDRA, P.VIJAY and G.SURESH bearing register numbers **15H71A0364, 15H71A0348, 15H71A0350, 15H71A0388** and **16H75A0324** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.


Project guide

Dr. M. Kaladhar

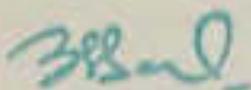
Professor




Head of the Department

Dr. M. Sreenivasa Rao

Professor

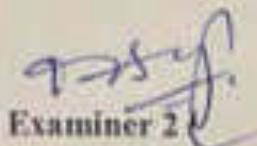


Principal

Dr. Y. Sudheer Babu


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

Devineni Venkata Ramana & Dr. Hima Sekhar
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KANCHIKACHERLA, Krishna Dist.


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



INVESTIGATION OF THE PERFORMANCE OF FOUR STROKE
SINGLE CYLINDER DIESEL ENGINE WITH THE BIODIESEL
DERIVED FROM NEEM OIL

Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

BY
K. LOKESH
(16H75A0318)

U. VENKATA BHANU PRASAD
(15H71A0385)

G. NARENDRA
(15H71A0361)

M. SANDEEP
(15H71A0374)

D. SARATH CHAND
(15H71A0376)

UNDER THE ESTEEMED GUIDANCE OF

Mr. SK. MAHABOOB BASHA

Assistant professor

Department Of Mechanical Engineering

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**INVESTIGATION OF THE PERFORMANCE OF FOUR STROKE SINGLE CYLINDER DIESEL ENGINE WITH THE BIODIESEL DERIVED FROM NEEM OIL**" which is a bonafide work carried out by **K. LOKESH, U.VENKATA-BHANU PRASAD, G.NARENDRA, M.SANDEEP, D.SHARTH CHAND** bearing register numbers **16H75A0318, 15H71A0385, 15H71A0361, 15H71A0374, 15H71A0376** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

Mr. SK. MAHABOOB BASHA

Asst. PROFESSOR

Head of The Department

Dr. M. SREENIVASA RAO

PROFESSOR



PRINCIPAL

Dr. V. SUDHAKAR BNBD, IITB
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Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
RAKINADA



OPTIMIZATION OF MACHINING PARAMETERS IN MACHINING OF
HARD CHROME PLATED AISI 1045 STEEL

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
MECHANICAL ENGINEERING

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K.UDAY KUMAR
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(16H75A0326) SK.HARSHAD (15H71A0355)
(15H71A0372) V.MANIKHANTA SURYA (15B71A0359)

Under the Esteemed Guidance of
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Professor

DEPARTMENT OF MECHANICAL ENGINEERING



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DEPARTMENT OF MECHANICAL ENGINEERING

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Project Guide
Dr.M.Kaladhar



Head of the Department
Dr. M. Sreenivasa Rao

Principal
Dr. Y. Sudheer Babu

Dr.Y. SUDHEER BABU, Ph.D, IITB
PRINCIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



PERFORMANCE ANALYSIS OF DIESEL ENGINE WITH LEMON GRASS AND JATROPHA BIO-DIESEL AS A FUEL

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
MECHANICAL ENGINEERING

By

M. RAVINDRA BABU
(16H75A0308)

D. VENKATA DURGA PRASAD T. HEMANTH SAKUMAR
(16H75A0314) (15H71A0314)

H. PAVAN CH. SAI PHANEENDRA
(15H71A0326) (15H71A0335)

Under the Esteemed Guidance of
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(Assistant professor)

Department of Mechanical Engineering

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project entitled "PERFORMANCE ANALYSIS OF DIESEL ENGINE WITH LEMON GRASS AND JATROPHIA BIO-DIESEL AS A FUEL" which is bonafide work carried out by **M. RAVINDRABABU, D.VENKATA DURGA PRASAD, T. HEMANTH SAI KUMAR, N.PAVAN, CH. Sai PHANEENDRA** bearing register 16H75A0308, 16H75A0314, 15H71A0314, 15H71A0326, 15H71A0335. Submitted to Jawaharlal Nehru Technological University Kakinada, during the year 2018-2019. It is certified that all /suggestions indicated for internal assessment have been incorporated in the report. Project report has been approved as it satisfies the academic requirements in respect project work presented.

Project Guide

Mr. CH. Anil Kumar

Asst. professor

Head of the Department

Dr. M. Sreenivasa Rao

professor



Principal

Dr. Y. Sudheer Babu

Dr. Y. SUDHEER BABU, Ph.D, IITB
PRINCIPAL

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MIC College of Technology
KANDIKONDA, Kakinada, Krishna District

Examiner-I

Examiner-II

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



OPTIMIZATION OF MILLING PROCESS IN MACHINING OF
MONEL-400 SUPER ALLOY

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
MECHANICAL ENGINEERING

By

V. RAMESWAR (15H71A0332)

M. GOPI AYYAPPA (16H75A0302)

T. LOKESH (16H75A0310)

V. LIKHITH BALARAM (15H71A0318)

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Under the Esteemed Guidance of

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**DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE**

Certified that the project entitled "**OPTIMIZATION OF MILLING PROCESS IN MACHINING OF MONEL-400 SUPER ALLOY**" which is a bonafide work carried out by **V. RAMESWAR, M. GOPI AYYAPPA, T. LOKESH, V. LIKHITH BALARAM and B. NIKHIL** bearing register numbers **15H71A0332, 16H75A0302, 16H75A0310, 15H71A0318** and **16H75A0306** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.



Project Guide

Dr. M. Sreenivasa Rao

Professor

Head of the Department

Dr. M. Sreenivasa Rao

Professor

Principal

Examiner 1

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Dr.Y. SUDHEER BABU, Ph.D,JITM
PRINCIPAL

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KANCHIKACHERLA, Krishna District

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



COMPUTATIONAL ANALYSIS OF FLOW THROUGH DUCES WITH
• VARIABLE GEOMETRIES

A Project Report submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

PAVANI SATYATTA
(15H71A0389)

SUDIGREDDY SRI SAI CHARAN
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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**COMPUTATIONAL ANALYSIS OF FLOW THROUGH DUCTS WITH VARIABLE GEOMETRIES**" which is a bonafide work carried out by **PATTAPU SAI DATTA, BHOGIREDDY SRI SAI CHARAN, SHAIK ATHAULLAH** and **MOHAMMED RAFI** bearing register numbers **1SH71A03B8, 16H75A0339, 14H71A0307** and **15H71A03B5** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

Mr. CH. S. R. T. P. SAI

ASSISTANT PROFESSOR



Head of The Department

Dr. M. SREENIVASA RAO

PROFESSOR

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Dr. Y. SUDHEER BABU

Dr. Y. SUDHEER BABU, Ph.D, IITM
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Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EVALUATING THERMAL CONDUCTIVITY OF
AGAVE AMERICANA FIBRE REINFORCED POLYESTER
COMPOSITE FILLED WITH CARBON POWDER

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

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

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Under the Esteemed Guidance of

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Dr. G. RAJESH
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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**EVALUATING THERMAL CONDUCTIVITY OF AGAVE AMERICANA FIBRE REINFORCED POLYESTER COMPOSITE FILLED WITH CARBON POWDER**" being submitted for the partial fulfillment of the requirements for the award of the degree Bachelor of Technology in Mechanical Engineering from Jawaharlal Nehru Technological University Kakinada, Kakinada, is a bonafide work done by **P.VENKATA NAGA GOPL, N.NAVEEN, P.VENKATA SAI KUMAR, P.SAI KUMAR, V.SAI JAGADEESH** bearing Regd No **15H71A03C7, 16H75A0335, 16H75A0342, 14H71A0336, 15H71A03B9** under my guidance during the academic year 2018-2019 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.

Project Guides

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Dr. G RAJESH
Professor

Examiner 1

Head of the Department

Dr. M. SREENIVASA RAO,
Professor



Principal
Dr. Y. SUDHEER BABU
Dr. Y. SUDHEER BABU, Ph.D., M.Tech
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KANCHIKACHERLA, Krishna District

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



PERFORMANCE EVALUATION OF PYRAMID TYPE SOLAR STILL
WITH CLAY POTS

A Project Report submitted to
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

M.N. ARUN KUMAR (15H71A03A7)

CH. PUNNA REDDY (15H71A03B4)

V. ARAVIND SWAMY (15H71A0392)

K. DURGA RAO (15H71A03D0)

Under the Esteemed Guidance of

Dr. Y. NARESH
Assistant Professor

Department of Mechanical Engineering

Desineni Venkata Ramana & Dr. Jilma Sekhar

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Devineni Venkata Ramana & Dr. Hima Sekhar
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DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

Certified that the project entitled "**PERFORMANCE EVALUATION OF PYRAMID TYPE SOLAR STILL WITH CLAY POTS**" which is a bonafide work carried out by **M.N. ARUN KUMAR, CH. PUNNA REDDY, Y. ARAVINDA SWAMY, and K. DURGA RAO** bearing register numbers **15H71A03A7, 15H71A03B4, 15H71A0392, and 15H71A03D0** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide(s)

Y. Naresh
Dr. Y. Naresh

Associate Professor

Head of the Department

T.S. Srinivas Rao
Dr. M. Sreenivasa Rao

Professor



38ml
Principal

Dr. Y. Sudheer Baba
Dr. Y. SUDHEER BABU, Ph.D, IITM
PRINCIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

[Signature]
Examiner 1

[Signature]
Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



REDUCING THE IDLE TIME OF BATTERY STRIP PASTING
LINE AT AMARA RAJA BATTERIES LIMITED

A Project Report Submitted to
Jawaharlal Nehru Technological University, Kakinada
in partial fulfilment for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

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MIC College of Technology



PR02162

By
P. SRIMAHESI (BET/A024)

Under the Internal Guidance of
Mr. Narendra Khatre
Assistant Professor

Under the External Guidance of
Mr. P. Amarnath
Assistant Manager
Central Maintenance
ABD-2
Amara Raja Batteries Ltd.

DEPARTMENT OF MECHANICAL ENGINEERING

Devi Sri Venkata Ramana & Dr. Hima Sekhar

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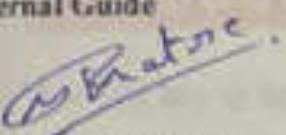


DEPARTMENT OF MECHANICAL ENGINEERING

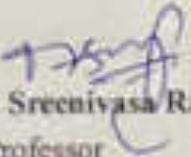
CERTIFICATE

Certified that the project entitled "**REDUCING THE IDLE TIME OF BATTERY STRIP PASTING LINE AT AMARA RAJA BATTERIES LIMITED**" which is a bonafide work carried out by P. SRIMAHESH bearing register number 15H71A03C4 in partial fulfilment for the award of degree of bachelor of technology in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-19. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

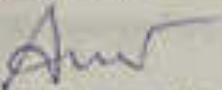
Internal Guide


Mr. Narendra Khatre
Asst. Professor

Head of the Department


Dr. M. Sreenivasa Rao
Professor

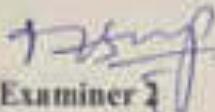
External Guide


Mr. P. Amarnath
Asst. Manager,
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Principal


Dr. Y. SUDHEER BABU, Ph.D, IITM
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Examiner 1


Examiner 1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EXPERIMENTAL INVESTIGATION OF PYRAMID TYPE SOLAR
FILM WITH POROUS MATERIAL.

A Project Report submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

ML. NARAYANA (15H75A033)

CIL SUNI SUMAN (15H71A055)

SK. M.A.K. AZAD (15H71A024)

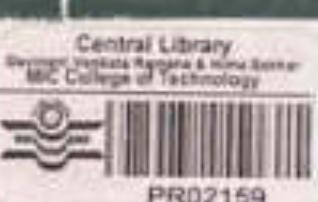
V. RAJA SURENDRA (15H71A0304)

S. PRASANNA KUMAR (15H71A03B2)

Under the Esteemed Guidance of

Dr. NAVEEN SHARMA

Assistant Professor



PR02159

Department of Mechanical Engineering

Deans: Dr. Venkateswara Rama Rao & Dr. Himesh S. Khatri

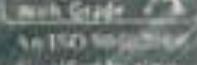
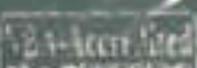
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2018-2019



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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**EXPERIMENTAL INVESTIGATION OF PYRAMID TYPE SOLAR STILL WITH POROUS MATERIAL**" which is a bonafide work carried out by **ML. NARAYANA, CIL SUNI SUMANTH, SK. M.A.K. AZAD, V. RAJA SURENDRA, and S. PRASANNA KUMAR** bearing register numbers **16H75AB333, 15H71A03CS, 15H71A03A6, 15H71A03B6, and 15H71A03B2** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide(s)

Dr. Naveen Sharma
Associate Professor

Head of the Department

Dr. M. Sreenivasa Rao
Professor



Dr. Y. Sudheer Babu
Dr. Y. SUDHEER BABU, Ph.D, IITB
PRINCIPAL

Devineni Venkata Rastava & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2



EXTRACTION OF AVAILABLE THERMAL ENERGY AND GENERATING ELECTRIC POWER FROM EXHAUST GAS

A Project Report submitted to
Jawaharlal Nehru Technological University Kakinada
in partial fulfilment for the Award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

by

K. SAI KRISHNA - 16H75A0322

A. SWAMY - 16H75A0325

G. SANDEEP - 15H71A0373

J. LEELA SAI KRISHNA - 15H71A0357

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PR02186

Under the Guidance of
Mr. P.K.VISHWAKARMA
Assistant Professor

DEPARTMENT OF MECHANICAL ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**EXTRACTION OF AVAILABLE THERMAL ENERGY AND GENERATING ELECTRIC POWER FROM EXHAUST GAS**" which is a bonafide work carried out by **K. SAI KRISHNA, A. SWAMY, G. SANDEEP & J. LEELA SAI KRISHNA** bearing registration number **16H75A0322, 16H75A0325, 15H71A0373 & 15H71A0357** in partial fulfilment for the award of degree of bachelor technology in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Guide
Pentu
Mr. P.K. VISHWAKARMA
Assistant professor



Head of the Department
[Signature]
Dr. M. SREENIVASA RAO
Professor

38-nd-
Principal

Examiner 1

✓
D.P.V. SUDHIBER BABU
PRINCIPAL
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MIC College of Technology
KANCHIKACHERLA, Krishna District

975-ff.
Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

KAKINADA



PERFORMANCE ANALYSIS OF A SALT GRADIENT SOLAR POND

A Project Report submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

As a partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

Central Library,
Tatyasaheb Koregaon & Home Science
MC College of Technology



PR02155

BY

R. NARESH KUMAR (15H71A030)

G. AVINASH (15H71A039)

H. SUMAN RAJU (16H75A0346)

T. MAHESH (15H71A0310)

P. RAMESH (15H71A0387)

Under the Esteemed Guidance of

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Dr. NAVEEN SHARMA
Associate Professor

Department of Mechanical Engineering

Dr. Anil Venkata Ramana & Dr. Hema Sekhar



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NBA-Accredited
Programme

Accredited Dept.

NAAC 'A'
Grade

UGC Approved

Central Institute

2018-2019



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**PERFORMANCE ANALYSIS OF A SALT GRADIENT SOLAR POND**" which is a bonafide work carried out by **R. NARESH KUMAR, G. AVINASHI, B. SUMAN RAJU, T. MAHESH, and P. RAMESH** bearing register numbers **15H71A03A9, 15H71A0393, 16H75A0340, 15H71A03A4, and 15H71A03B7** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide(s)

Dr. Naveen Sharma
Associate Professor

Mr. B. Ashwini Kumar
Assistant Professor



Head of the Department

Dr. M. Sreenivasa Rao
Professor

Principal

Dr. Y. Sudheer Babu
Dr. Y. SUDHEER BABU, Ph.D, JNTU,
PRINCIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KAUNIKACHERLA, Krishna District

Examiner 1
Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EXPERIMENTAL INVESTIGATION OF THERMAL
CONDUCTIVITY AND RHEOLOGICAL PROPERTIES OF Cu-Zn
5.5% NiO NANO PARTICLES IN ETHYLENE GLYCOL

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

BACHELOR OF TECHNOLOGY

MECHANICAL ENGINEERING

R. ANIL (16B75A0315)

J. PARDHASARADHI (15N710020) [ROLL NO. 15N710020]

[ROLL NO. 16B75A0315]

[ROLL NO. 15N710020]

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Under the supervision of

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Asst. Prof., PG Dept.

Department of Mechanical Engineering

Devineni Venkata Rayudu & wife Seetha

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10-02-2019





Devineni Venkata Ramana & Dr.Hima Sekhar
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DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

Certified that the project entitled "**EXPERIMENTAL INVESTIGATION OF THERMAL CONDUCTIVITY AND RHEOLOGICAL PROPERTIES OF Cu-Zn HYBRID NANO PARTICLES IN ETHYLENE GLYCOL**" which is a bona fide work carried out by **R. ANIL, J. PARDHA SARADHI, D. VENKATA AKHIL, N. VENKATA PAVAN KALYAN** bearing register numbers **16H75A0315, 15H71A0365, 15H71A0384, 15H71A0386** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

Mr. A. Naga Pavan Kumar
Asst. Professor



Head of the Department

Dr. M. Sreenivasa Rao
Professor

Principal

Dr. Y. Sudheer Babu

Examiner 1
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PRINCIPAL
Devineni Venkata Ramana & Dr. Himmekhar
MIC College of Technology
KANCHIKACHERLA, KRISHNA DISTRICT

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



STUDY AND MONITORING OF PLATE PREPARATION SECTION IN
INDUSTRIAL BATTERY DIVISION IN AMARA RAJA BATTERIES LIMITED

Submitted to
Jawaharlal Nehru Technological University, Kakinada.

To partial fulfillment of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

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MIC College of Technology



PR02175

Under the Guidance of
Mr. POORNA CHANDRA E
External guide
Assistant Manager, PLP In charge,
Industrial Battery Division,
AMARA RAJA BATTERIES Ltd.

Under the Guidance of
Mr. PRASHANTH M
Assistant Professor, MIC
Internal guide

DEPARTMENT OF MECHANICAL ENGINEERING

Deans: Venkata Ramana & Dr. N. Srinivas Sekhar

MIC College of Technology

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by NAAC

Accredited by
NAAC

NAAC 'A'
with Grade
A+ (2012-2018)

Certified Institute

2018-2019



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**STUDY AND MONITORING OF PLATE PREPARATION SECTION IN INDUSTRIAL BATTERY DIVISION IN AMARA RAJA BATTERIES LIMITED**" which is a bonafide work carried out by **B. SRIKANTH** bearing register number **15H71A0377** in partial fulfilment for the award of degree of bachelor technology in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year **2018-19**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Internal Guide

Mr. Prashanth M
 Asst Professor

Head of the Department

Dr. Sreenivasa Rao M
 Professor



External Guide

Mr. Poorna Chandra E
 Asst Manager, PLP,
 IBD, MVRLA Plant,
 AMARA RAJA BATTERIES Ltd.

Principal

Dr. Sudheer Babu Y
Dr. Y. SUDEEP BABU, Ph.D, IITM
PRINCIPAL
 Devineni Venkata Ramana & Dr. Hima Neekar
MIC College of Technology,
 KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

KAKINADA



DROP TEST SIMULATION ON PEN DRIVE BY
USING ANSYS

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

MECHANICAL ENGINEERING

By

V. SURESH BABU (15H71A0339)

K. SRIKANTH (15H71A0337)

V. HARI VAMSI (15H71A0312)

CH. JAGADEESH (16H75A0304)

M. MOHAN (15H71A0311)

Under the Esteemed Guidance of

Mr. K. RAVIKANTH

Assistant Professor

DEPARTMENT OF MECHANICAL ENGINEERING

Devaiah Venkata Ramana & Dr. Kirei Sekhar

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2018-2019



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DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

Certified that the project entitled "**DROP TEST SIMULATION ON PEN DRIVE BY USING ANSYS**" which is a bonafide work carried out by **V.SURESH BABU, K.SRIKANTH, Y. HARI VAMSI, CH. JAGADEESH, and M. MOHAN** bearing register numbers **15H71A0339, 15H71A0337, 15H71A0312, 16H75A0304 and 15H1A0322** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project guide

Mr. K. Ravikanth

Asst. Professor



Head of the Department

Dr. M. Sreenivasa Rao

Professor

Principal

Dr. Y. Sudheer Babu

Dr. Y. SUDHEER BABU, Ph.D, IITB
PRINCIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District*

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EVALUATING THERMAL CONDUCTIVITY OF PHARGMITES
KARKA FIBER REINFORCED POLYSTER COMPOSITE

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

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

P. SRI NAGA V D SAI KUMAR (16H75A0338)

K. NARENDRA GOPI (15H71A03A8) B. PRAVEEN (15H71A03B3)

M. GURU PRASAD (15H71A0397) MD. IBRAHIM (15H71A0398)

Under the Esteemed Guidance of
Ms. D. DIVYA, Assistant Professor
&
Dr. G. RAJESH, Professor

Department Of Mechanical Engineering
Devineni Venkata Ramana & Dr. Hirpa Sekhar



MIC College of Technology

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Accredited by
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National Accreditation Board for Higher Education



DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

This is to certify that the project entitled "**EVALUATING THERMAL CONDUCTIVITY OF PHARGMITES KARNA FIBER REINFORCED POLYSTER COMPOSITE**" which is a bonafide work carried out P. SRI NAGA V D SAI KUMAR, K. NARENDRA GOPI, B. PRAVEEN, M. GURU PRASAD and MD. IBRAHIM bearing register numbers 16H75A0338, 15H71A03A8, 15H71A03B3, 15H71A0397 and 15H71A0398 in partial fulfilment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.



Project Guide

D. Divya
 Ms. D. Divya
 &
 Dr. G. Rajesh

Head of the Department

Dr. M. Sreenivasa Rao

Principal

Examiner 1

Dr. V. Sudheer Babu, M.Tech, Ph.D, IITB
 PRINCIPAL
 Devineni Venkata Ramana & Dr. Hemas Sekhar
MIC College of Technology
 KANCHIKACHERLA, Krishna District
 (II)

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KARNATAKA



**INFLUENCE OF BASALT POWDER ON THERMAL STABILITY
OF CARBON FIBER POLYESTER COMPOSITES**

A Project Report submitted to
Jawaharlal Nehru Technological University, Kakinada
in partial fulfillment for the Award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

SHAIK HUSSAIN (15H71A0325)

MD. SAIFULLAPASHA (16H75A0309) K. DEEPU (15H71A0307)
K. OM SAI PHANINDRA (15H71A0325) M. TARUN KUMAR (15H71A0340)

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Devintri Venkata Ramana & Home Seikhar
MIC College of Technology



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Under the Guidance of
Mr. N. YASU, Assistant Professor
&

Mr. S. MAHESH BABU, Assistant Professor

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Devintri Venkata Ramana & Dr. Dilma Sekhar

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**INFLUENCE OF BASALT POWDER ON THERMAL STABILITY OF CARBON FIBER POLYESTER COMPOSITES**" which is a bonafide work carried out by SK. HUJEEFA, MD. SAIFULLA PASHA, K. DEEPU, K. OM SAI PHANINDRA and M. TARUN KUMAR bearing register numbers 15H71A0315, 16H75A0309, 15H71A0307, 15H71A0325, 15H71A0340 in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guides

Mr. N.VASU
1/4/19

Assistant Professor

Mr. S. MAHESH BABU

Assistant professor

Head of the Department

Dr. M. Sreenivasa Rao

Professor



Dr. Y. Sudheer Babu, B.A.Sc., M.D.Tech

Dr. Y. Sudheer Babu
Deputy Principal
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EXPERIMENTAL INVESTIGATION OF MECHANICAL PROPERTIES
OF HYBRID METAL MATRIX COMPOSITE PREPARED BY STIR
CASTING

Submitted to

Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

Submitted By

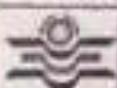
D.RADHA KRISHNA (16H75A0336)

V.SAI SRINIVASA RAO (15H71A03C1) B. SAI TEJA (16H75A0337)

I.GOPI (15H71A0396)

G.SRI KRISHNA (14H71A03C3)

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PR02157

Under the Esteemed Guidance of

Mr. R. Ranjith Kumar, M.Tech (Ph.D)

Associate Professor



Department Of Mechanical Engineering

Devineni Venkata Ramana & Dr. Niranjan Sekhar

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2018-2019

NBA-Accredited

No. 101/2013/NAAC

Accredited by NAAC

With Grade 'A'

AN ISO 9001:2008

Certified Organization



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**EXPERIMENTAL INVESTIGATION OF MECHANICAL PROPERTIES OF HYBRID METAL MATRIX COMPOSITE PREPARED BY STIR CASTING**" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Mechanical Engineering from Jawaharlal Nehru Technological University Kakinada, is a bonafide work done by D.RADHA KRISHNA, V.SAI SRINIVASA RAO, B.SAI TEJA, LGOPI, G.SRI KRISHNA bearing Regd.No.16H75A0336,15H71A03C1,16H75A0337, 15H71A0396, 15H71A03C3 under my guidance during the academic year 2018-2019 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.

Project Guide

Mr. R. Ranjith Kumar

Head of the Department

Dr. M. Sreenivasa Rao



Principal

Dr. Y. Sudheer Babu

**Dr.Y. SUDHEER BABU, Ph.D, IITB
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KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



PRESSURE LOSS ANALYSIS OF FLUID FLOW IN AIR
DUCTS USING ANSYS

A Project Report Submitted to the
Jawaharlal Nehru Technological University Kakinada
In the partial fulfillment for the Award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

V. RAVI CHANDRA (16H75A0320)

SIMI MUNIER (15H71A0358)

P. ASHOK (16H75A0316)

F. SAI ZEEF KUMAR (16H75A0321)

CIL SUJITH KUMAR (15H71A0380)

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Mr. CIL S. R. T. P. SAI

Assistant Professor

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2018-2019



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NAAC A
With Grade
Acc. Date: March 2009
Certified Institute

DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

Certified that the project entitled "**PRESSURE LOSS ANALYSIS OF FLUID FLOW IN AIR DUCTS USING ANSYS**" which is a bonafide work carried out by **Y. RAVI CHANDRA, SK.M. MUNNEER, P. ASHOK, P. SAI ANIL KUMAR, CH. SUJITH KUMAR** bearing register numbers **16H75A0320, 15H71A0358, 16H75A0316, 16H75A0321, 15H71A0380** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.



Ch. Phanisi
Project Guide

Mr. CH.S.R.T.P.SAI
Asst. Professor

T.S.S.Rao
Head of the department

T.S.S.Rao
Dr. M. Sreenivasa Rao
Professor

38nd

Principal

Dr.D. SUSHOBHANNA, Ph.D, IITB
PRINCIPAL

Devineni Venkata Ramana & Dr. Himesh Sekhar
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KANCHIKACHERLA, Krishna District*

EXAMINER 1

T.S.S.Rao
EXAMINER 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"STATIC AND THERMAL ANALYSIS OF IC ENGINE PISTON BY
USING DIFFERENT MATERIALS"

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

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

N. NAVEEN
(Regd. No: 15H71A03B0)

R. SAI RAMA RAJU
(Regd. No: 15H71A03C0)

P. TEJA
(Regd. No: 16H75A0341)

SHAIK ISMAIL
(Regd. No: 15H7510399)

J. SURYA PRAKSH CHOWDARY
(Regd. No: 15H71A03C6)

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UNDER THE ESTEEMED GUIDANCE OF
Mr. S. SARATH CHANDRA



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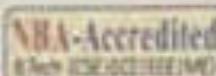
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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**STATIC AND THERMAL ANALYSIS OF IC ENGINE PISTON BY USING DIFFERENT MATERIALS**" which is a bonafide work carried out by **N. NAVEEN, R. SAI RAMA RAJU, P. TEJA, SHAIK ISMAIL, J. SURYA PRAKASH CHOWDARY** bearing register numbers **15H71A03B0, 15H71A03C0, 16H75A0341, 15H71A0399, 15H71A03C6** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

Mr. S. SARATH CHANDRA
ASSISTANT PROFESSOR



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PROFESSOR

PRINCIPAL

Dr.Y.SUDHEER BABU, Ph.D, IITB
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Devirenu Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EVALUATION OF MECHANICAL AND THERMAL PROPERTIES OF
CHICKEN FEATHER FIBRE /PHENOL FORMALDEHYDE COMPOSITE

A Project Report Submitted to the
Jawaharlal Nehru Technological University Kakinada
In the partial fulfillment for the Award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

V MOHAN SAI (51171A0350)

P RAM SAI (51171A0358)

M SUMANTH (51171A0381)

M SANNI BABU (51171A0375)

P RAM MOHAN (51171A0371)



Under the Esteemed Guidance of

Dr. V. SRINIVASA SAI

Professor

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DEPARTMENT OF MECHANICAL ENGINEERING
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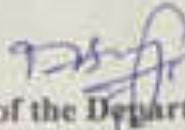
Certified that the project entitled "**EVALUATION OF MECHANICAL AND THERMAL PROPERTIES OF CHICKEN FEATHER FIBRE/PHENOL FORMALDEHYDE COMPOSITE**" which is a bonafide work carried out by V.MOHAN SAI, P.RAM SAI, M.SANNI BABU,M.SUMANTH and P.RAM MOHAN bearing register numbers 15H71A0360, 15H71A0368, 15H71A0375, 15H71A0381 and 15H1A0367 in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.


Project guide

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Head of the Department

Dr. M. Sreenivasa Rao

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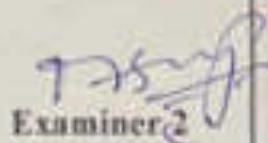


Principal

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Dr.Y. SUDHEER BABU, Ph.D, IITK
P. NALIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
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KANCHIKACHERLA, Krishna District'


Examiner 1


Examiner 2



Department of Mechanical Engineering

A.Y:2018-19

List of Major Projects

Batch No	Reg. No	Name of the Student	Project Supervisor	Project Title
A1	14H71A0322	VENKATA BHANU PRASAD U	R. Ranjith Kumar	Investigation of mechanical properties of animal teeth powder reinforced AL matrix composite prepared by stir casting
	14H71A0315	NARENDRA G		
	14H71A0306	SANDEEP M		
	14H71A0321	SARATHCHAND D		
	14H71A0334	ANIL R		
A2	14H71A0357	PARDHA SARADHI J	K.Srinivas	Optimize nozzle angle for nozzle minimization of stress in pressure vessel made of alloy A-Z 86
	14H71A0354	SAI SRINIVAS CHOWDARY S		
	15H75A0306	GOPI SAI TEJA B		
	14H71A0343	CHARAN SAI DURGA CHAND M		
	14H71A0348	NAVEEN A		
A3	15H75A0305	SAI A	Y.Naga prasad	Effect of sea shell particulate addition on the mechanical properties of aluminium metal matrix composite
	14H71A0309	SAI SRINIVAS CHOWDARY S		
	14H71A0301	GOPI SAI TEJA B		
	14H71A0335	CHARAN SAI DURGA CHAND M		
	14H71A0330	NAVEEN A		
A4	14H71A0359	MANI KUMAR K	Dr.G.Rajesh	Evalution of Testing properties & Thermal conductivity of phrag
	14H71A0353	SAI KRISHNA P		
	14H71A0355	SAI KUMAR K		
	14H71A0318	SUBHASH S		
	14H71A0324	VIJAY SRAVAN P		
A5	15H75A0308	IMRAN MD	K.Ramesh	Design &Analysis of simple low frequency vibration Isolation system using Negative stiffness
	14H71A0344	VENKATESH K		
	14H71A0319	VAMSI KRISHNA N		
	14H71A0305	ANIL KUMAR CH		
	15H75A0302	SURYA NAIK R		
A6	14H71A0346	VENKATA TEJA CH	M.V.Ramana	Error idetification in finite element practice of a missile component
	14H71A0310	UDAY KUMAR K		
	14H71A0342	SAI A		
	14H71A0317	SAI SRINIVAS CHOWDARY S		
	14H71A0350	GOPI SAI TEJA B		
A7	14H71A0346	CHARAN SAI DURGA CHAND M	K.Sai chand	



	14H71A0310	NAVEEN A		Optimization of Green sand mould properties by using Taguchi based principal concept analysis (PCA)
	14H71A0342	MANI KUMAR K		
	14H71A0317	SAI KRISHNA P		
	14H71A0350	PUNNA REDDY CH		
A8	14H71A0308	ARAVINDA SWAMY Y	Ch.Sowjanya	Design &Analysis of Sand Bucket Excavator
	14H71A0332	DURGA RAO		
	14H71A0312	KRANTHI RANA DEV K		
	14H71A0358	LAKSHMI NARAYANA M		
	13H71A0331	SUNI SUMANTH CH		
A9	15H75A0301	MOULANA ABDULKALAM AZAD SK	M.Venkatesh	Design and analysis of aerodynamic drag reduction for SU vehicle Mahindra TUV 300
	14H71A0326	RAJA SURENDRA V		
	14H71A0339	PRASANNAKUMAR S		
	14H71A0341	SRI NAGA V D SAI KUMAR		
	14H71A0311	NARENDRA GOPI K		
A10	14H71A0325	PRAVEEN B	M.V.Ragavendra	Evaluation of tensile properties of agave americana reinforced polyster composites
	14H71A0356	GURU PRASAD M		
	14H71A0302	IBRAHIM MD		
	14H71A0338	NADEEM SK		
	14H71A0347	GNANA DILEEP B		
A11	15H75A0307	GOPINATH REDDY M	B.Srinivasa rao	Design and Analysis of solar Refrigeration & air conditioning system
	14H71A0352	ENOSH KUMAR V		
	14H71A0329	KOWSHAL K		
	14H71A0337	PUNNA REDDY CH		
	13H71A0305	ARAVINDA SWAMY Y		
A12	14H71A0349	DURGA RAO	G.V.V.N.G.Vital	Evalution of mechanical properties of Basalt powder banana fiber reinforced polyster hybrid composite
	14H71A0345	KRANTHI RANA DEV K		
	14H71A0316	LAKSHMI NARAYANA M		
	14H71A0340	SUNI SUMANTH CH		
	14H71A0349	VENKATA BHANU PRASAD U		
A13	15H75A0304	NARENDRA G	K.Appalaraju	Influence of fiber orientation on mechanical properties of sisal,jute,flax and reinforced epoxy composites
	14H71A0303	SANDEEP M		
	14H71A0314	SARATHCHAND D		
	14H71A0304	ANIL R		
	14H71A0351	PARDHA SARADHI J		



Devineni Venkata Ramana & Dr. Hima Sekhar
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B1	16H71A0320	RAVI CHANDRA Y	Ch S R T P Sai	design&fabrication of coconut dehusking machine
	15H71A0358	MAHE MUNEER SK		
	16H75A0316	ASHOK P		
	16H75A0321	SAI ANIL KUMAR P		
	15H71A0380	SUJITH KUMAR CH		
B2	15H71A0377	SRIKANTH B	M. Prasanth	design and fabrication of free energy air pump
	15H71A0349	BALANJI REDDY K		
	15H71A0356	JAGADESH KUMAR G		
	15H71A0378	SRINIVASU A		
	15H71A0347	ARAVIND BABU A		
B3	15H71A0360	MOHAN SAI V	Dr. V. Srinivasa Sai	design and fabrication of nut removal and tightening by geneva mechanism
	15H71A0368	RAM SAI P		
	15H71A0375	SANNI BABU M		
	15H71A0381	SUMANTH M		
	15H71A0367	RAM MOHAN P		
B4	15H71A0364	NAVEEN P	Md. Ashhar Tufail	design and fabrication of multipurpose farm machine
	15H71A0348	B MANIKANTA SAI A		
	15H71A0350	BHARATH CHANDRA K		
	15H71A0388	MAHE MUNEER SK		
	16H75A0324	SURESH G		

B5	15H71A0369	SAI A	M. Venkatesh	design and fabrication of multipurpose machine tool based on withworth quick return mechanism
	15H71A0371	SAI SRINIVAS CHOWDARY S		
	15H71A0354	GOPI SAI TEJA B		
	15H71A0353	CHARAN SAI DURGA CHAND M		
	15H71A0363	NAVEEN A		
B6	16H75A0319	MANI KUMAR K	B. Srinivasa Rao	design and fabrication of trolley by four bar chain mechanism
	15H71A0370	SAI KRISHNA P		
	16H75A0323	SAI KUMAR K		
	15H71A0379	SUBHASH S		
	15H71A0389	VIJAY SRAVAN P		
B7	16H75A0317	IMRAN MD	K. Srinivas	design and fabrication of school bag trolley
	15H71A0387	VENKATESH K		
	15H71A0383	VAMSI KRISHNA N		
	15H71A0346	ANIL KUMAR CH		
	15H71A0382	SURYA NAIK R		
B8	16H75A0327	VENKATA TEJA CH	Dr. M Kaladhar	



	16H75A0326	UDAY KUMAR K		double box shifting system
	15H71A0355	HARSHAD SK		
	15H71A0372	SANDEEP A		
	15H71A0359	MANIKANTA SURYA V		
B9	16H75A0318	LOKESH K	Sk. Mahaboob Basha	investigation of hand operated shaping and slotting mechanism
	15H71A0385	VENKATA BHANU PRASAD U		
	15H71A0361	NARENDRA G		
	15H71A0374	SANDEEP M		
	15H71A0376	SARATHCHAND D		
B10	16H75A0315	ANIL R	A. Naga Pavan Kumar	design and fabrication of thermo electric refrigeration system
	15H71A0365	PARDHA SARADHI J		
	15H71A0384	VENKATA AKHIL D		
	15H71A0386	VENKATA PAVAN KALYAN N		
	15H71A0390	VINAY KUMAR P		
B11	16H75A0322	SAI KRISHNA K	Pintu Kumar	design and fabrication of hydraulic scissor lift
	16H75A0325	SWAMY A		
	15H71A0373	SANDEEP G		
	15H71A0357	LEELA SAI KRISHNA RAO J		
C1	15H71A03C4	SRIMAHESH P	Narendra Khatre	design & fabrication of pedal operated hacksa
	16H75A0332	K PAVAN KUMAR K		
	16H75A0329	BALAJI NAYAK B		
	15H71A0394	CHAITANYA M		
C2	15H71A03B8	SAI DATTA P	M.Pradeep	design & fabrication of sand refinement by rotary mechanism
	16H75A0339	SRI SAI CHARAN B		
	14H71A0307	Athaullah Sk		
	15H71A03B5	RAFI MD		
	14H71A0382	Kalyan D		
C3	15H71A03C7	VENKATA NAGA GOPI P	K. Supriya	design & fabrication of mini solar refrigeratio
	16H75A0335	NAVEEN N		
	16H75A0342	VENKATA SAI KUMAR P		
	14H71A0336	Sai Kumar P		
	15H71A03B9	SAI JAGADEESH V		
C4	15H71A03A9	NARESH KUMAR R	B. Ashwini Kumar	design & fabrication of go-cart with special attachments
	15H71A0393	AVINASH G		
	16H75A0340	SUMAN RAJU B		
	15H71A03A4	MAHESH T		
	15H71A03B7	RAMESH P		



Devineni Venkata Ramana & Dr. Hima Sekhar
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C5	15H71A03B0	NAVEEN N	S. Sarath Chandra	design & fabrication of hands free welding
	15H71A03C7	VENKATA NAGA GOPI P		
	16H75A0341	TEJA P		
	15H71A0339	SURESH BABU V		
	15H71A03C6	SURYA PRAKASH CHOWDARY J		
C6	16H75A0336	RADHAKRISHNA D	Upendra Yadav	design & fabrication of mini solar refrigeration
	15H71A03C1	SAI SRINIVASA RAO V		
	16H75A0337	SAI TEJA B		
	15H71A0396	GOPI I		
	15H71A03C3	SRI KRISHNA G		
C7	15H71A03A7	N ARUN KUMAR M	Dr. Y Naresh	design & fabrication of pyramid type solar still
	15H71A03B4	PUNNA REDDY CH		
	15H71A0392	ARAVINDA SWAMY Y		
	15H71A03D0	DURGA RAO		
	15H71A03A2	KRANTHI RANA DEV K		
C8	16H75A0333	LAKSHMI NARAYANA M	Dr. Naveen Sharma	design & fabrication of pyramid type solar stil
	15H71A03C5	SUNI SUMANTH CH		
	15H71A03A6	MOULANA ABDULKALAM AZAD SK		
	15H71A03B6	RAJA SURENDRA V		
	15H71A03B2	PRASANNAKUMAR S		
C9	16H75A0338	SRI NAGA V D SAI KUMAR	D. Divya	design & fabrication of rocker bogie mechanism
	15H71A03A8	NARENDRA GOPI K		
	15H71A03B3	PRAVEEN B		
	15H71A0397	GURU PRASAD M		
	15H71A0398	IBRAHIM MD		
C10	16H75A0334	NADEEM SK	P Bhagat Singh	design & fabrication of non metalic slab coupled with peijo electric material of power generation
	16H75A0330	GNANA DILEEP B		
	16H75A0331	GOPINATH REDDY M		
	15H71A0395	ENOSH KUMAR V		
	15H71A03A1	KOWSHAL K		

Signature of Coordinator

Signature of HoD

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



**PERFORMANCE ANALYSIS OF SUNFLOWER
BIO-DIESEL ON CI ENGINE**

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

Central Library
Devineni Venkata Ramana & Hima Sekhar
MIC College of Technology



PR02170

**BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING**

By

R. SIVA KRISHNA (16H75A0311)

P. PRASAD (16H75A0307)

T. GOPI (15H71A0310)

P. AJAY VARMA (15H71A0302)

MD. RAFI VULLAH (15H71A0328)



Under the Esteemed Guidance of

Mr. A. NAGA PAVAN KUMAR

Assistant Professor

Department of Mechanical Engineering

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2018-2019





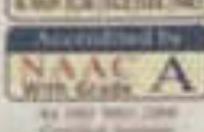
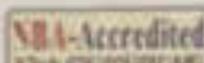
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DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

Certified that the project entitled "**PERFORMANCE ANALYSIS OF SUNFLOWER BIO-DIESEL ON CI ENGINE**" which is a bonafide work carried out by R. SIVA KRISHNA, P. PRASAD, T. GOPI, P. AJAY VARMA and MD. RAFI VULLAH bearing register numbers 16H75A0311, 16H75A0307, 15H71A0310, 15H71A0302, and 15H71A0328 in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

Mr. A. Naga Pavan Kumar

Asst. Professor



Head of the Department

Dr. M. Sreenivasa Rao

Professor

Principal

Dr. Y. Sudheer Babu

Dr. Y. SUDHEER BABU, Ph.D., IITB
PRINCIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2



JAWI MUSICAL INSTRUMENT TECHNOLOGICAL INSTITUTE

KAKINADA

THE BRIEF STUDY OF OPERATIONS TO REDUCE THE BREAKDOWN TIME OF MACHINES IN MAINTENANCE DEPARTMENT IN AMARA RAJA MANGAL INDUSTRIES

A Project Report submitted to

Jawaharlal Nehru Technological University, Kakinada

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

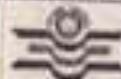
BACHELOR OF TECHNOLOGY

Mechanical Engineering



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Editorial Committee
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MIC College of Technology



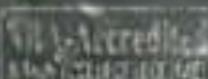
PR02163

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Mr. P. BHAGAT SINGH
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External
Mr. ESWARA PRADEEP (HOD of Mathematics)
Mr. LOK PAVAN (In charge of Physical Education)

DEPARTMENT OF MECHANICAL ENGINEERING

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NAAC A
With Grade
As NAAC Accredited
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DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

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Internal Guide

Mr.P.Bhagat Singh
Associate Prof.

Head of the Department
Dr.M.Sreenivasa Rao
Professor



External guidance

P. Eswara Pradeep (HOD of maintenance)

Y. Lok Pavan (in charge of maintenance)

Principal

Dr. Y. SUDHEER BABU
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Examiner-1

Examiner-2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



THERMOGRAVIMETRIC ANALYSIS OF CARBON FIBER REINFORCED POLYMER COMPOSITE WITH BASALT POWDER AS FILLER MATERIAL

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
MECHANICAL ENGINEERING

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S. SAI SRINIVAS CHOWDARY

15H7IA0371

M. CHARAN SAI DURGA CHAND

15H7IA0353

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**THERMO GRAVIMETRIC ANALYSIS OF CARBON FIBER REINFORCED POLYMER COMPOSITE WITH BASALT POWDER AS FILLER MATERIAL**" which is a bonafide work carried out by **A. SAL, S. SAI SRINIVAS CHOWDARY, B. GOPI SAI TEJA, M. CHARAN SAI DURGA CHAND& A.NAVEEN** bearing registration number **15H71A0369, 15H71A0371, 15H71A0354, 15H71A0353 & 15H71A0363** in partial fulfilment for the award of degree of bachelor technology in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Guide

MR. M. VENKATESH

Assistant Professor



Head of the Department

Dr. M. SREENIVASA RAO

Professor

Dr. Y. SUDHEER BABU

**Dr. Y. SUDHEER BABU, Ph.D, IITM
PRINCIPAL**
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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EXPERIMENTAL INVESTIGATION OF MECHANICAL PROPERTIES
OF ZA27 ALLOY REINFORCED WITH BORON NITRIDE

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
MECHANICAL ENGINEERING

By

Y.MANOHAR REDDY(15H71A0321)

B.SRINIVAS (15H71A0332)

D.V.S.N.MALLIK(15H71A0343)

V.RAMA KISHAN (15H71A0344)

S.HAITHANYA (15H71A0306)

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**EXPERIMENTAL INVESTIGATION OF MECHANICAL PROPERTIES OF ZA27 ALLOY REINFORCED WITH BORON NITRIDE**" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Mechanical Engineering from Jawaharlal Nehru Technological University Kakinada, is a bonafide work done by Y. MANOHAR REDDY, B. SRINIVAS, D. V. S. N. MALLIK, V. RAMA KISHAN, N. CHAITANYA KUMAR bearing Regd.No 15H71A0321, 15H71A0338, 15H71A0343, 15H71A0331, 15H71A0306 under my guidance during the academic year 2018-2019 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.

Project Guide

Mr. R. Ranjith Kumar



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Dr. M. Sreenivasa Rao

Principal

Dr. V. Sudheer Babu, M.Tech, Ph.D., IITB

Dr. V. Sudheer Babu

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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



FABRICATION OF Al-5083 COMPOSITE AND STUDY ITS
MICROSTRUCTURAL AND MECHANICAL PROPERTIES EVOLUTION

A Project Report submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

By

B. GNANA DILEEP (160175A0330)

N. GOPINATH REDDY (160175A0331)

V. ENOSU JUNIOR (160175A0395)

K. KUNUSU (160175A0341)

Under the Guidance of

Mr. R. BHAGAT SINGH, M.Tech., Ph.D.

Associate Professor

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**FABRICATION OF Al-5083 COMPOSITE AND STUDY ITS MICROSTRUCTURAL AND MECHANICAL PROPERTIES EVOLUTION**" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Mechanical Engineering from Jawaharlal Nehru Technological University Kakinada, is a bonafide work done by **B.GNANA DILEEP, M.GOPINATH REDDY, V.ENOSH KUMAR, K.KOUSHAL** bearing Regd. No. **16H75A0330, 16H75A0331, 15H71A0395, 15H71A03A1** under my guidance during the academic year 2018-2019 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.

Project Guide

Mr. P. Bhagat Singh



Head of the Department

Dr. M. Sreenivasa Rao

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Dr. Y. Sudheer Babu

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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



STRUCTURAL ANALYSIS OF CONNECTING ROD USING ANSYS WITH DIFFERENT MATERIALS

A Project Report submitted to
Jawaharlal Nehru Technological University Kakinada
to partial fulfilment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

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Under the Guidance of
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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**STRUCTURAL ANALYSIS OF CONNECTING ROD USING ANSYS WITH DIFFERENT MATERIALS**", being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Mechanical Engineering from Jawaharlal Nehru Technological University Kakinada, is a bonafide work done by **K. PAVAN KUMAR, B. BALAJI NAYAK, M. CHAITANYA**, bearing Regd.No.16H75A0332, 16H75A0329, 15H71A0394, under my guidance during the academic year 2018-2019 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.

Project Guide

Mr. Narendra Khatre



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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



FABRICATION AND EVALUATION OF THERMAL PROPERTIES OF
GLASS FIBER REINFORCED POLYSTERE COMPOSITE

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
MECHANICAL ENGINEERING

By

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D. ASHOK REDDY (15H71A0304) M. MALLIKARJUNA RAO (15H71A0319)

D. KUMAR (15H71A0317) A. ISHOK (15H71A0303)

Under the Supervision of

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DEPARTMENT OF MECHANICAL ENGINEERING



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Page No. 1





CERTIFICATE

Certified that the project entitled "**FABRICATION AND EVALUATION OF THERMAL PROPERTIES OF GLASS FIBER REINFORCED POLYESTER COMPOSITES**" which is a Bonafide work carried out by **M. SURENDRA BABU, D. ASHOK REDDY, M. MALLIKARJUNA RAO, D. KUMAR and M. ASHOK** bearing register numbers **16H75A0313, 15H71A0304, 15H71A0319, 15H71A0317 & 15H71A0303** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

Mr. B. SANDEEP

Assistant, Professor

Head of the Department


Dr. M. SREENIVASA RAO

Professor

Principal

Dr. Y. SUDHEER BABU, Ph.D., IITB

Dr. Y. SUDHEER BABU, Ph.D., IITB
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Devineni Venkata Ramana S.O., Kakinada
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YANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



TESTING AND CHARACTERIZATION OF FRICTION STIR WELDED AL6061 ALLOY

**A Project Report submitted to
Jayasharal Nehru Technological University Kakinada
In partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING**

By
AMMULASRINIVASU



SEARCH ENGINE | 10AL ENGINEERING



2018-2019



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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**TESTING AND CHARACTERIZATION OF FRICTION STIR WELDED AL6061 ALLOY**" which is a bonafide work carried out by **AMUDALA SRINIVASU** bearing register number (15H71A0378) in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project guide

Mr. M. PRASANTH

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KACHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EXPERIMENTAL INVESTIGATION OF MICRO STRUCTURE AND
MECHANICAL PROPERTIES OF TIG WELDED AA6351 ALLOY

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

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

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K. VENKATESH (15H71A0387)

N. VAMSI (15H71A0383)

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Under the Esteemed Guidance of

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DEPARTMENT OF MECHANICAL ENGINEERING

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Accredited with Commendation
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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certified that the project report entitled "**EXPERIMENTAL INVESTIGATION OF MICRO STURCTURE AND MECHANICAL PROPERTIES OF TIG WELDED AA6351 ALLOY**" being submitted for the partial fulfilment of the requirements for the degree in Bachelor of Technology in Mechanical Engineering from Jawaharlal Nehru Technological University Kakinada, is a bonafide work done by **MD.IMRAN, K.VENKATESH, N.VAMSI, CHANIL KUMAR, RSURYA NAIK** bearing Regd.No. **16H75A0317, 15H71A0387, 15H71A0383, 15H71A0346, 15H71A0382** under my guidance during the academic year **2018-19** 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.

Project Guide

Mr. K.Srinivas

Associate Professor



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Dr. M.Sreenivasa Rao

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Principal

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Dr.Y. SUDHEER BABU, Ph.D, IITB
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KANCHIKACHERLA, Krishna District

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EVALUATING MECHANICAL PROPERTIES OF
LUFFA FIBER REINFORCED POLYESTER
COMPOSITE

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
MECHANICAL ENGINEERING

By

CH. RAJESH (15H71A0330)

D.V.S. JAGADEESH KUMAR (15H71A0341) S. ABHILASH (16H75A0301)

B. SUBBARAO (16H75A0312)

B.V.V.N. RAJESH (15H71A0342)

Under the Esteemed Guidance of

Ms N. SIVA NAGAMANI (Assistant professor)

&

Dr. G. RAJESH (Professor)

Department of Mechanical Engineering

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DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

Certified that the project entitled "**EVALUATING MECHANICAL PROPERTIES OF LUCCA FIBER REINFORCED POLYESTER COMPOSITE**" which is a bonafide work carried out by **CH. RAJESH, D.V.S.JAGADEESH KUMAR, S. ABHILASH, B.SUBBARAO** and **B.V.V.N. RAJESH** bearing register numbers **15H71A0330, 15H71A0341, 16H75A0301, 16H75A0312** and **15H71A0342** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

Ms. N. Siva Nagamani

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Head of the Department

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Professor

Principal

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Dr.Y. SUDHEER BABU, Ph.D, IITM
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MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EFFECTS OF BASALT POWDER ON THERMAL PROPERTIES OF
GLASS FIBRE/EPOXY COMPOSITES

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
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By

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S. KAWAZ SHARIFF (15H71A0324)

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M. SAI KUMAR (15H71A0334)

G. HEMANTH (15H71A0313)

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Under the Esteemed Guidance of
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2018-2019

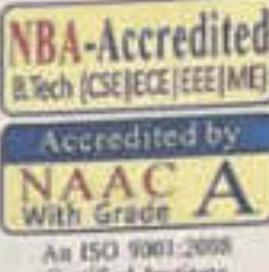


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2018-2019



CERTIFICATE

Certified that the project entitled "**EFFECTS OF BASALT POWDER ON THERMAL PROPERTIES OF GLASS FIBRE/EPOXY COMPOSITES**" which is a bonafide work carried out by **A. KAVYA, SK. NAWAZ SHARIFF, R. KALYAN, M. SAIKUMAR, G. HEMANTH** bearing register numbers **16H75A0305, 15H71A0324, 15H71A0316, 15H71A0334, 15H71A0313** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guides

Mr. S. MAHESH BABU (4) 2018

Assistant Professor



Head of the Department

Dr. M. SREENIVASA RAO

Professor

Examiner 1

Principal

Dr. Y. SUDHEER BABU
Dr. Y. SURESH BABU, Ph.D, IITB
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- KANCHIKACHERLA, Krishna District

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



COMPARATIVE STUDY ON MICROSTRUCTURE AND
MECHANICAL PROPERTIES OF TIG AND FSW
PROCESSED Al-5083 ALLOY

A Project Report Submitted to the
Jawaharlal Nehru Technological University Kakinada
In the partial fulfillment for the Award of the degree of
BACHELOR OF TECHNOLOGY

IN
MECHANICAL ENGINEERING

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K. BALAJI REDDY (15BT1A0349)

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Under the Esteemed Guidance of
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DEPARTMENT OF MECHANICAL ENGINEERING

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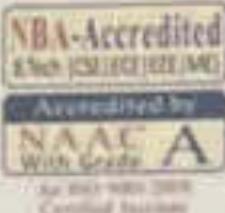
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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "COMPARATIVE STUDY ON MICROSTRUCTURE AND MECHANICAL PROPERTIES OF TIG AND FSW PROCESSED AL-5083 ALLOY" which is a bonafide work carried out K.BALANJI REDDY, G.JAGADESH KUMAR and S.SARAVIND BABU bearing register numbers 15H71A0349, 15H71A0356 and 15H71A0347 in partial fulfillment for the award of degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

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Professor


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Examiner 1
Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EVALUATING FLEXURAL AND IMPACT PROPERTIES OF PHRAGMITES
KARKA FIBER REINFORCED POLYSTER COMPOSITES

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
MECHANICAL ENGINEERING

By

M. GURU PRASAD (15H71A0311)

D. RUDRA KUMAR (15H71A0333)

K. PREETHI REDDY (15H71A0327)

SK. EAJI BASHA (15H71A0305)

P. GOPI (15H71A0309)

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CERTIFICATE

Certified that the project entitled "EVALUATING FLEXURAL AND IMPACT PROPERTIES OF PHARGMITES KARNA FIBER REINFORCED POLYSTER COMPOSITE" which is a bonafide work carried out by M. GURU PRASAD, D. RUDRA KUMAR, K. PREETHI REDDY, SK. BAJI BASHA and P. GOPI bearing register numbers 15H71A0311, 15H71A0333, 15H71A0327, 15H71A0305 and 15H71A0309 in partial fulfillment for the award of degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

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Examiner

Dr. Y. Sudheer Babu,
PRINCIPAL

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Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



**PERFORMANCE ANALYSIS OF BIODIESEL ON
FOUR STROKE CI ENGINE BY USING WASTE
COOKING OIL**

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

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

Central Library
Department of Vehicle Engineering & Auto. Sekhar
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Under the technical guidance of
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Autumn 2016

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "PERFORMANCE ANALYSIS OF BIODIESEL ON FOUR STROKE CI ENGINE BY USING WASTE COOKING OIL" being submitted for the partial fulfillment of the requirements for the award of degree in BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING from Jawaharlal Nehru Technological University Kakinada is a bonafide work done by K. MANI KUMAR, P. SAI KRISHNA , K. SAI KUMAR, S.SUBASH P.VIJAY SRAVAN bearing register numbers 16H75A0319, 15H71A0370, 16H75A0323, 15H71A0379 ,15H71A0389 during the year 2018-2019 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to another institution or university for the award of any degree.

PROJECT GUIDE

45

B. SREENIVASA RAO



HEAD OF THE DEPARTMENT

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Dr. M. SREENIVASA RAO

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YANAHAKACHELLA, Krishna District**

EXAMINER 1

T.S.F.
EXAMINER 1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



OPTIMIZATION OF MACHINING PARAMETERS IN MACHINING OF
HARDENED EN24 STEEL

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
MECHANICAL ENGINEERING



PR02179

By

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A.B.MANIKANTA SAI (15H71A0348) P.VIJAY (15H71A0368)
K.BHARATH CHANDRA (15H71A0350) G.SURESH (16H75A0324)

Under the Esteemed Guidance of
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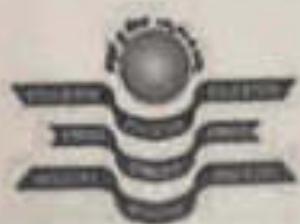
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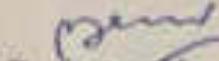
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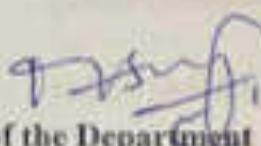
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Project guide

Dr. M. Kaladhar

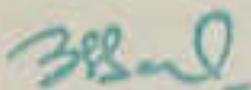
Professor




Head of the Department

Dr. M. Sreenivasa Rao

Professor

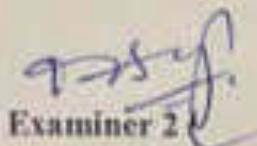


Principal

Dr. Y. Sudheer Babu


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

Devineni Venkata Ramana & Dr. Hima Sekhar
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KANCHIKACHERLA, Krishna Dist.


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



INVESTIGATION OF THE PERFORMANCE OF FOUR STROKE
SINGLE CYLINDER DIESEL ENGINE WITH THE BIODIESEL
DERIVED FROM NEEM OIL

Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

BY
K. LOKESH
(16H75A0318)

U. VENKATA BHANU PRASAD
(15H71A0385)

G. NARENDRA
(15H71A0361)

M. SANDEEP
(15H71A0374)

D. SARATH CHAND
(15H71A0376)

UNDER THE ESTEEMED GUIDANCE OF

Mr. SK. MAHABOOB BASHA

Assistant professor

Department Of Mechanical Engineering

Devianni Venkata Ramana & Dr. Hima Sekhar

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DEPARTMENT OF MECHANICAL ENGINEERING

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Certified that the project entitled "**INVESTIGATION OF THE PERFORMANCE OF FOUR STROKE SINGLE CYLINDER DIESEL ENGINE WITH THE BIODIESEL DERIVED FROM NEEM OIL**" which is a bonafide work carried out by **K. LOKESH, U.VENKATA-BHANU PRASAD, G.NARENDRA, M.SANDEEP, D.SHARTH CHAND** bearing register numbers **16H75A0318, 15H71A0385, 15H71A0361, 15H71A0374, 15H71A0376** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

Mr. SK. MAHABOOB BASHA

Asst. PROFESSOR

Head of The Department

Dr. M. SREENIVASA RAO

PROFESSOR



PRINCIPAL

Dr. V. SUDHAKAR BNBD, IITB
PRINCIPAL
Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
RAKINADA



OPTIMIZATION OF MACHINING PARAMETERS IN MACHINING OF
HARD CHROME PLATED AISI 1045 STEEL

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

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(15H71A0372) V.MANIKHANTA SURYA (15B71A0359)

Under the Esteemed Guidance of
Dr.M.KALADHAR B.E.,M.Tech., Ph.D.,MIE
Professor

DEPARTMENT OF MECHANICAL ENGINEERING



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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**OPTIMIZATION OF MACHINING PARAMETERS IN MACHINING OF HARD CHROME PLATED AISI 1045 STEEL**" which is a bonafied work carried out by **CH.VENKATA TEJA, KUDAY KUMAR, SK.HARSHAD, A.SANDEEP, VMANIKHANTA SURYA** bearing register numbers **16H75A0327, 16H75A0326, 15H71A0355, 15H71A0372, 15H71A0359** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the academic year **2018-19**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Project Guide
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Dr. M. Sreenivasa Rao

Principal
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Dr.Y. SUDHEER BABU, Ph.D, IITB
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Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



PERFORMANCE ANALYSIS OF DIESEL ENGINE WITH LEMON GRASS AND JATROPHA BIO-DIESEL AS A FUEL

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
MECHANICAL ENGINEERING

By

M. RAVINDRA BABU
(16H75A0308)

D. VENKATA DURGA PRASAD T. HEMANTH SAKUMAR
(16H75A0314) (15H71A0314)

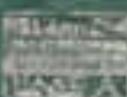
H. PAVAN CH. SAI PHANEENDRA
(15H71A0326) (15H71A0335)

Under the Esteemed Guidance of
Mr. CH. ANIL KUMAR
(Assistant professor)

Department of Mechanical Engineering

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project entitled "PERFORMANCE ANALYSIS OF DIESEL ENGINE WITH LEMON GRASS AND JATROPHIA BIO-DIESEL AS A FUEL" which is bonafide work carried out by **M. RAVINDRABABU, D.VENKATA DURGA PRASAD, T. HEMANTH SAI KUMAR, N.PAVAN, CH. Sai PHANEENDRA** bearing register 16H75A0308, 16H75A0314, 15H71A0314, 15H71A0326, 15H71A0335. Submitted to Jawaharlal Nehru Technological University Kakinada, during the year 2018-2019. It is certified that all /suggestions indicated for internal assessment have been incorporated in the report. Project report has been approved as it satisfies the academic requirements in respect project work presented.

Project Guide

Mr. CH. Anil Kumar

Asst. professor

Head of the Department

Dr. M. Sreenivasa Rao

professor



Principal

Dr. Y. Sudheer Babu

Dr. Y. SUDHEER BABU, Ph.D, IITB
PRINCIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANDIKONDA, Kakinada, Krishna District

Examiner-I

Examiner-II

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



OPTIMIZATION OF MILLING PROCESS IN MACHINING OF
MONEL-400 SUPER ALLOY

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
MECHANICAL ENGINEERING

By

V. RAMESWAR (15H71A0332)

M. GOPI AYYAPPA (16H75A0302)

T. LOKESH (16H75A0310)

V. LIKHITH BALARAM (15H71A0318)

E. MIKHIL (16H75A0306)

Under the Esteemed Guidance of

Dr. M. SREENIVASA RAO, Professor

Department of Mechanical Engineering

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Accredited by
NAAC **A**
See NAAC Report
Certified Institute

DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

Certified that the project entitled "**OPTIMIZATION OF MILLING PROCESS IN MACHINING OF MONEL-400 SUPER ALLOY**" which is a bonafide work carried out by **V. RAMESWAR, M. GOPI AYYAPPA, T. LOKESH, V. LIKHITH BALARAM and B. NIKHIL** bearing register numbers **15H71A0332, 16H75A0302, 16H75A0310, 15H71A0318** and **16H75A0306** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.



Project Guide

Dr. M. Sreenivasa Rao

Professor

Head of the Department

Dr. M. Sreenivasa Rao

Professor

Principal

Examiner 1

Dr. Y. Sudheer Babu
Dr.Y. SUDHEER BABU, Ph.D,JITM
PRINCIPAL

Devineni Venkata Ramana & Dr. Himajashkar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



COMPUTATIONAL ANALYSIS OF FLOW THROUGH DUCES WITH
• VARIABLE GEOMETRIES

A Project Report submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

PAVANI SATYATTA
(15H71A0389)

SUDIGREDDY SRI SAI CHARAN
(15H75A0339)

SULEIKATHAULLAH
(14H71A0375)

MOHAMMED RAFI
(15H71A0385)

Under the Technical Guidance of

Mr. CH. S. R. T. P. SAI

Assistant Professor

Department of Mechanical Engineering

Deeksh Venkata Ramana & Dr. Dilma Sekhar



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2018-2019

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A

To NEDUVT, AP
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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**COMPUTATIONAL ANALYSIS OF FLOW THROUGH DUCTS WITH VARIABLE GEOMETRIES**" which is a bonafide work carried out by **PATTAPU SAI DATTA, BHOGIREDDY SRI SAI CHARAN, SHAIK ATHAULLAH** and **MOHAMMED RAFI** bearing register numbers **1SH71A03B8, 16H75A0339, 14H71A0307** and **15H71A03B5** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

Ch. Phayy

Mr. CH. S. R. T. P. SAI

ASSISTANT PROFESSOR



Head of The Department

M. Sreenivasarao
Dr. M. SREENIVASARAO

PROFESSOR

38ml

PRINCIPAL

Dr. Y. SUDHEER BABU
Dr. Y. SUDHEER BABU, Ph.D, IITM
PRINCIPAL
Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

✓
Examiner 1

T.S.S
Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EVALUATING THERMAL CONDUCTIVITY OF
AGAVE AMERICANA FIBRE REINFORCED POLYESTER
COMPOSITE FILLED WITH CARBON POWDER

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

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

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MIC College of Technology



PR02154

By

P. VENKATA NAGA GOPI (15H71A03C7)

N. NAVEEN (16H75A0335) P. VENKATA SAI KUMAR (16H75A0342)

P. SAI KUMAR (14H71A0336) V. SAI JAGADEESH (15H71A03B9)

Under the Esteemed Guidance of

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Assistant Professor

Dr. G. RAJESH
Professor

Department of Mechanical Engineering
Devineni Venkata Rama & Dr. Hima Sekhar



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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**EVALUATING THERMAL CONDUCTIVITY OF AGAVE AMERICANA FIBRE REINFORCED POLYESTER COMPOSITE FILLED WITH CARBON POWDER**" being submitted for the partial fulfillment of the requirements for the award of the degree Bachelor of Technology in Mechanical Engineering from Jawaharlal Nehru Technological University Kakinada, Kakinada, is a bonafide work done by **P.VENKATA NAGA GOPL, N.NAVEEN, P.VENKATA SAI KUMAR, P.SAI KUMAR, V.SAI JAGADEESH** bearing Regd No **15H71A03C7, 16H75A0335, 16H75A0342, 14H71A0336, 15H71A03B9** under my guidance during the academic year 2018-2019 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.

Project Guides

Mrs. K. SUPRIYA

Assistant Professor

Dr. G RAJESH
Professor

Head of the Department

Dr. M. SREENIVASA RAO,
Professor



Principal
Dr. Y. SUDHEER BABU, Ph.D., M.Tech
PRINCIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



PERFORMANCE EVALUATION OF PYRAMID TYPE SOLAR STILL
WITH CLAY POTS

A Project Report submitted to
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

M.N. ARUN KUMAR (15H71A03A7)

CH. PUNNA REDDY (15H71A03B4)

V. ARAVIND SWAMY (15H71A0392)

K. DURGA RAO (15H71A03D0)

Under the Esteemed Guidance of

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Assistant Professor

Department of Mechanical Engineering

Desineni Venkata Ramana & Dr. Jilma Sekhar

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2018-2019



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DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

Certified that the project entitled "**PERFORMANCE EVALUATION OF PYRAMID TYPE SOLAR STILL WITH CLAY POTS**" which is a bonafide work carried out by **M.N. ARUN KUMAR, CH. PUNNA REDDY, Y. ARAVINDA SWAMY, and K. DURGA RAO** bearing register numbers **15H71A03A7, 15H71A03B4, 15H71A0392, and 15H71A03D0** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide(s)

Y. Naresh
Dr. Y. Naresh

Associate Professor

Head of the Department

T.S. Srinivas Rao
Dr. M. Sreenivasa Rao

Professor



38ml
Principal

Dr. Y. Sudheer Baba
Dr. Y. SUDHEER BABU, Ph.D, IITM
PRINCIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

[Signature]
Examiner 1

[Signature]
Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



REDUCING THE IDLE TIME OF BATTERY STRIP PASTING
LINE AT AMARA RAJA BATTERIES LIMITED

A Project Report Submitted to
Jawaharlal Nehru Technological University, Kakinada
in partial fulfilment for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

Central Library
Deemed University Kakinada & Hirwa Sankar
MIC College of Technology



PR02162

Under the Internal Guidance of
Mr. Narendra Khatre
Assistant Professor

Under the External Guidance of
Mr. P. Amarnath
Assistant Manager
Central Maintenance
ABD-2
Amara Raja Batteries Ltd.

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**REDUCING THE IDLE TIME OF BATTERY STRIP PASTING LINE AT AMARA RAJA BATTERIES LIMITED**" which is a bonafide work carried out by P. SRIMAHESH bearing register number 15H71A03C4 in partial fulfilment for the award of degree of bachelor of technology in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-19. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Internal Guide

Mr. Narendra Khatre
Asst. Professor

Head of the Department

Dr. M. Sreenivasa Rao
Professor

External Guide

Mr. P. Amarnath
Asst. Manager,
Central Maintenance, ABD-2,
Amara Raja Batteries Ltd.

Principal

Dr. Y. SUDHEER BABU, Ph.D, IITM
PROFESSOR IPAL
Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EXPERIMENTAL INVESTIGATION OF PYRAMID TYPE SOLAR
FILM WITH POROUS MATERIAL.

A Project Report submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

ML. NARAYANA (15H75A033)

CIL SUNI SUMAN (15H71A055)

SK. M.A.K. AZAD (15H71A024)

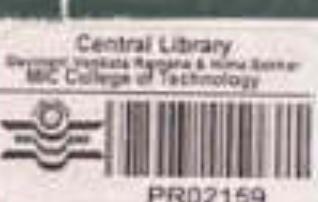
V. RAJA SURENDRA (15H71A0304)

S. PRASANNA KUMAR (15H71A03B2)

Under the Esteemed Guidance of

Dr. NAVEEN SHARMA

Assistant Professor



PR02159

Department of Mechanical Engineering

Deans: Dr. Venkateswara Rama Rao & Dr. Himesh S. Khatri

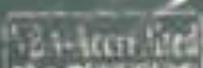
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2018-2019



Devineni Venkata Rastava & Dr. Himaja Sekhar
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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**EXPERIMENTAL INVESTIGATION OF PYRAMID TYPE SOLAR STILL WITH POROUS MATERIAL**" which is a bonafide work carried out by **ML. NARAYANA, CIL SUNI SUMANTH, SK. M.A.K. AZAD, V. RAJA SURENDRA, and S. PRASANNA KUMAR** bearing register numbers **16H75AB333, 15H71A03CS, 15H71A03A6, 15H71A03B6, and 15H71A03B2** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide(s)

Dr. Naveen Sharma
Associate Professor

Head of the Department

Dr. M. Sreenivasa Rao
Professor



Dr. Y. Sudheer Babu
Dr. Y. SUDHEER BABU, Ph.D, IITB
PRINCIPAL

Devineni Venkata Rastava & Dr. Himaja Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2



EXTRACTION OF AVAILABLE THERMAL ENERGY AND GENERATING ELECTRIC POWER FROM EXHAUST GAS

A Project Report submitted to
Jawaharlal Nehru Technological University Kakinada
in partial fulfilment for the Award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

by

K. SAI KRISHNA - 16H75A0322

A. SWAMY - 16H75A0325

G. SANDEEP - 15H71A0373

J. LEELA SAI KRISHNA - 15H71A0357

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PR02186

Under the Guidance of
Mr. P.K.VISHWAKARMA
Assistant Professor

DEPARTMENT OF MECHANICAL ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**EXTRACTION OF AVAILABLE THERMAL ENERGY AND GENERATING ELECTRIC POWER FROM EXHAUST GAS**" which is a bonafide work carried out by **K. SAI KRISHNA, A. SWAMY, G. SANDEEP & J. LEELA SAI KRISHNA** bearing registration number **16H75A0322, 16H75A0325, 15H71A0373 & 15H71A0357** in partial fulfilment for the award of degree of bachelor technology in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Guide
Pentu
Mr. P.K. VISHWAKARMA
Assistant professor



Head of the Department
[Signature]
Dr. M. SREENIVASA RAO
Professor

38-nd-
Principal

Examiner 1

✓
D.P.V. SUDHIBER BABU
PRINCIPAL
Devineni Venkata Ramana & Dr. Himachal Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

975-ff.
Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

KAKINADA



PERFORMANCE ANALYSIS OF A SALT GRADIENT SOLAR POND

A Project Report submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

As a partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

Central Library,
Tatyasaheb Koregaon & Home Science
MC College of Technology



PR02155

BY

R. NARESH KUMAR (15H71A030)

G. AVINASH (15H71A039)

H. SUMAN RAJU (16H75A0346)

T. MAHESH (15H71A0310)

P. RAMESH (15H71A0387)

Under the Esteemed Guidance of

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Assistant Professor

Dr. NAVEEN SHARMA
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Programme

Accredited Dept.

NAAC 'A'
Grade

UGC Approved

Central Institute

2018-2019



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**PERFORMANCE ANALYSIS OF A SALT GRADIENT SOLAR POND**" which is a bonafide work carried out by **R. NARESH KUMAR, G. AVINASHI, B. SUMAN RAJU, T. MAHESH, and P. RAMESH** bearing register numbers **15H71A03A9, 15H71A0393, 16H75A0340, 15H71A03A4, and 15H71A03B7** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide(s)

Dr. Naveen Sharma
Associate Professor

Mr. B. Ashwini Kumar
Assistant Professor



Head of the Department

Dr. M. Sreenivasa Rao
Professor

Principal

Dr. Y. Sudheer Babu
Dr. Y. SUDHEER BABU, Ph.D, JNTU
PRINCIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KAUNIKACHERLA, Krishna District

Examiner 1
Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EXPERIMENTAL INVESTIGATION OF THERMAL
CONDUCTIVITY AND RHEOLOGICAL PROPERTIES OF Cu-Zn
5.5% NiO NANO PARTICLES IN ETHYLENE GLYCOL

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

BACHELOR OF TECHNOLOGY

MECHANICAL ENGINEERING

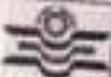
R. ANIL (16B75A0315)

J. PARDHASARADHI (15N710020) [ROLL NO. 15N710020]

[ROLL NO. 16B75A0315]

[ROLL NO. 15N710020]

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Devineni Venkata Rayudu & wife Seetha
MIC College of Technology



PR02185

Under the supervision of

Mr. A. NAGA PRASAD, M.Tech.

Asst. Prof., PG Dept.

Department of Mechanical Engineering

Devineni Venkata Rayudu & wife Seetha

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10-02-2019



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DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

Certified that the project entitled "EXPERIMENTAL INVESTIGATION OF THERMAL CONDUCTIVITY AND RHEOLOGICAL PROPERTIES OF Cu-Zn HYBRID NANO PARTICLES IN ETHYLENE GLYCOL" which is a bona fide work carried out by R. ANIL, J. PARDHA SARADHI, D. VENKATA AKHIL, N. VENKATA PAVAN KALYAN bearing register numbers 16H75A0315, 15H71A0365, 15H71A0384, 15H71A0386 in partial fulfillment for the award of degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guide

Mr. A. Naga Pavan Kumar
Asst. Professor



Head of the Department

Dr. M. Sreenivasa Rao
Professor

Principal

Dr. Y. Sudheer Babu

**Dr.Y. SUDHEER BABU, Ph.D, IITR
PRINCIPAL**
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MIC College of Technology
KANCHIKACHERLA, Krishna District.

Examiner I

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



STUDY AND MONITORING OF PLATE PREPARATION SECTION IN
INDUSTRIAL BATTERY DIVISION IN AMARA RAJA BATTERIES LIMITED

Submitted to
Jawaharlal Nehru Technological University, Kakinada.

To partial fulfillment of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

Central Library
Biju Patnaik University of Technology & Anna Sekhar
MIC College of Technology



PR02175

Under the Guidance of
Mr. POORNA CHANDRA E
External guide
Assistant Manager, PLP In charge,
Industrial Battery Division,
AMARA RAJA BATTERIES Ltd.

Under the Guidance of
Mr. PRASHANTH M
Assistant Professor, MIC
Internal guide

DEPARTMENT OF MECHANICAL ENGINEERING

Deans: Venkata Ramana & Dr. N. Srinivas Sekhar

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by NAAC

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NAAC 'A'
Grade

Accredited by
NAAC

2018-2019



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**STUDY AND MONITORING OF PLATE PREPARATION SECTION IN INDUSTRIAL BATTERY DIVISION IN AMARA RAJA BATTERIES LIMITED**" which is a bonafide work carried out by **B. SRIKANTH** bearing register number **15H71A0377** in partial fulfilment for the award of degree of bachelor technology in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year **2018-19**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Internal Guide

Mr. Prashanth M
 Asst Professor

Head of the Department

Dr. Sreenivasa Rao M
 Professor



External Guide

Mr. Poorna Chandra E
 Asst Manager, PLP,
 IBD, MVRLA Plant,
 AMARA RAJA BATTERIES Ltd.

Principal

Dr. Sudheer Babu Y
Dr. Y. SUDEEP BABU, Ph.D, IITM
PRINCIPAL
 Devineni Venkata Ramana & Dr. Hima Neekar
MIC College of Technology,
 KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

KAKINADA



DROP TEST SIMULATION ON PEN DRIVE BY
USING ANSYS

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

MECHANICAL ENGINEERING

By

V. SURESH BABU (15H71A0339)

K. SRIKANTH (15H71A0337)

V. HARI VAMSI (15H71A0312)

CH. JAGADEESH (16H75A0304)

M. MOHAN (15H71A0311)

Under the Esteemed Guidance of

Mr. K. RAVIKANTH

Assistant Professor

DEPARTMENT OF MECHANICAL ENGINEERING

Devaiah Venkata Ramana & Dr. Kirei Sekhar

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Year 2009-2010

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Year 2009-2010

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2018-2019



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DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

Certified that the project entitled "**DROP TEST SIMULATION ON PEN DRIVE BY USING ANSYS**" which is a bonafide work carried out by **V.SURESH BABU, K.SRIKANTH, Y. HARI VAMSI, CH. JAGADEESH, and M. MOHAN** bearing register numbers **15H71A0339, 15H71A0337, 15H71A0312, 16H75A0304** and **15H1A0322** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project guide

Mr. K. Ravikanth

Asst. Professor



Head of the Department

Dr. M. Sreenivasa Rao

Professor

Principal

Dr. Y. Sudheer Babu
Dr. Y. SUDHEER BABU, Ph.D, IITB
PRINCIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District*

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EVALUATING THERMAL CONDUCTIVITY OF PHARGMITES
KARKA FIBER REINFORCED POLYSTER COMPOSITE

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

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

P. SRI NAGA V D SAI KUMAR (16H75A0338)

K. NARENDRA GOPI (15H71A03A8) B. PRAVEEN (15H71A03B3)

M. GURU PRASAD (15H71A0397) MD. IBRAHIM (15H71A0398)

Under the Esteemed Guidance of
Ms. D. DIVYA, Assistant Professor
&
Dr. G. RAJESH, Professor

Department Of Mechanical Engineering
Devineni Venkata Ramana & Dr. Hirpa Sekhar



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2015-2019

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Accredited by
NAAC



DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

This is to certify that the project entitled "**EVALUATING THERMAL CONDUCTIVITY OF PHARGMITES KARNA FIBER REINFORCED POLYSTER COMPOSITE**" which is a bonafide work carried out P. SRI NAGA V D SAI KUMAR, K. NARENDRA GOPI, B. PRAVEEN, M. GURU PRASAD and MD. IBRAHIM bearing register numbers 16H75A0338, 15H71A03A8, 15H71A03B3, 15H71A0397 and 15H71A0398 in partial fulfilment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.



Project Guide

D. Divya
 Ms. D. Divya
 &
 Dr. G. Rajesh

Head of the Department

Dr. M. Sreenivasa Rao

Principal

Examiner 1

Dr. V. Sudheer Babu, M.Tech, Ph.D, IITB
 PRINCIPAL
 Devineni Venkata Ramana & Dr. Hemas Sekhar
MIC College of Technology
 KANCHIKACHERLA, Krishna District
 (II)

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KARNATAKA



**INFLUENCE OF BASALT POWDER ON THERMAL STABILITY
OF CARBON FIBER POLYESTER COMPOSITES**

A Project Report submitted to
Jawaharlal Nehru Technological University, Kakinada
in partial fulfillment for the Award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

SHAIK HUSSAIN (15H71A0325)

MD. SAIFULLAPASHA (16H75A0309) K. DEEPU (15H71A0307)
K. OM SAI PHANINDRA (15H71A0325) M. TARUN KUMAR (15H71A0340)

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Under the Guidance of
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&

Mr. S. MAHESH BABU, Assistant Professor

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**INFLUENCE OF BASALT POWDER ON THERMAL STABILITY OF CARBON FIBER POLYESTER COMPOSITES**" which is a bonafide work carried out by SK. HUJEEFA, MD. SAIFULLA PASHA, K. DEEPU, K. OM SAI PHANINDRA and M. TARUN KUMAR bearing register numbers 15H71A0315, 16H75A0309, 15H71A0307, 15H71A0325, 15H71A0340 in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

Project Guides

Mr. N.VASU
1/4/19

Assistant Professor

Mr. S. MAHESH BABU

Assistant professor

Head of the Department

Dr. M. Sreenivasa Rao
Professor



Dr. Y. Sudheer Babu, B.A.Sc., M.D.Tech

Dr. Y. Sudheer Babu
Deputy Principal
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EXPERIMENTAL INVESTIGATION OF MECHANICAL PROPERTIES OF HYBRID METAL MATRIX COMPOSITE PREPARED BY STIR CASTING

Submitted to

Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

Submitted By

D.RADHA KRISHNA 15H75A03361

V.SAI SRINIVASA RAO (15H71A03C), B. SAI TEJA (16H75A0337)

LGOP1 (15H71A0396)

G.SRI KRISHNA (14H71A03C3)

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Under the Esteemed Guidance of

Mr. R. Ranjith Kumar

Associate Professor

Department Of Mechanical Engineering

Devineni Venkata Ramana & Dr. Henry Goldfarb

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Approved by AICEE & Recommended by ASCE 7-16

Approved by the Board of Directors of the Indian Institute of Public Administration
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Annual December 1970
Annual December 1971



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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**EXPERIMENTAL INVESTIGATION OF MECHANICAL PROPERTIES OF HYBRID METAL MATRIX COMPOSITE PREPARED BY STIR CASTING**" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Mechanical Engineering from Jawaharlal Nehru Technological University Kakinada, is a bonafide work done by D.RADHA KRISHNA, V.SAI SRINIVASA RAO, B.SAI TEJA, LGOPI, G.SRI KRISHNA bearing Regd.No.16H75A0336,15H71A03C1,16H75A0337, 15H71A0396, 15H71A03C3 under my guidance during the academic year 2018-2019 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.

Project Guide

Mr. R. Ranjith Kumar

Head of the Department

Dr. M. Sreenivasa Rao



Principal

Dr. Y. Sudheer Babu

**Dr.Y. SUDHEER BABU, Ph.D, IITB
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Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



PRESSURE LOSS ANALYSIS OF FLUID FLOW IN AIR
DUCTS USING ANSYS

A Project Report Submitted to the
Jawaharlal Nehru Technological University Kakinada
In the partial fulfillment for the Award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

V. RAVI CHANDRA (16H75A0320)

SIMI MUNIER (15H71A0358)

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F. SAI ZEEF KUMAR (16H75A0321)

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MIC College of Technology



PR02174

under the Esteemed Guidance of

Mr. CIL S. R. T. P. SAI

Assistant Professor

DEPARTMENT OF MECHANICAL ENGINEERING

Devineni Venkata Rayappa & Hora Seva



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2018-2019



Devineni Venkata Ramana & Dr. Himesh Sekhar
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Accredited by
NAAC A
With Grade
Acc. No. 2012-2013
Certified Institute

DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

Certified that the project entitled "**PRESSURE LOSS ANALYSIS OF FLUID FLOW IN AIR DUCTS USING ANSYS**" which is a bonafide work carried out by **Y. RAVI CHANDRA, SK.M. MUNNEER, P. ASHOK, P. SAI ANIL KUMAR, CH. SUJITH KUMAR** bearing register numbers **16H75A0320, 15H71A0358, 16H75A0316, 16H75A0321, 15H71A0380** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.



Ch. Phani
Project Guide

Mr. CH.S.R.T.P.SAI
Asst. Professor

T.S.S.Rao
Head of the department

T.S.S.Rao
Dr. M. Sreenivasa Rao
Professor

38nd

Principal

Dr.D. SUSHOBHANNA, Ph.D, IITB
PRINCIPAL

Devineni Venkata Ramana & Dr. Himesh Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

EXAMINER 1

T.S.S.Rao
EXAMINER 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"STATIC AND THERMAL ANALYSIS OF IC ENGINE PISTON BY
USING DIFFERENT MATERIALS"

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

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

N. NAVEEN
(Regd. No: 15H71A03B0)

R. SAI RAMA RAJU
(Regd. No: 15H71A03C0)

P. TEJA
(Regd. No: 16H75A0341)

SHAIK ISMAIL
(Regd. No: 15H7510399)

J. SURYA PRAKSH CHOWDARY
(Regd. No: 15H71A03C6)

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MIC College of Technology



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UNDER THE ESTEEMED GUIDANCE OF
Mr. S. SARATH CHANDRA



Devineni Venkata Ramana & Sons Ltd., Telcher

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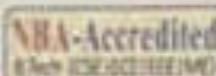
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Devirenu Venkata Ramana & Dr. Hima Sekhar
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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project entitled "**STATIC AND THERMAL ANALYSIS OF IC ENGINE PISTON BY USING DIFFERENT MATERIALS**" which is a bonafide work carried out by **N. NAVEEN, R. SAI RAMA RAJU, P. TEJA, SHAIK ISMAIL, J. SURYA PRAKASH CHOWDARY** bearing register numbers **15H71A03B0, 15H71A03C0, 16H75A0341, 15H71A0399, 15H71A03C6** in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.

S. Sarath Chandra
Project Guide

Mr. S. SARATH CHANDRA
ASSISTANT PROFESSOR



M. Sreenivasa Rao
HEAD OF THE DEPARTMENT

Dr. M. SREENIVASA RAO
PROFESSOR

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PRINCIPAL

Devirenu Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



EVALUATION OF MECHANICAL AND THERMAL PROPERTIES OF
CHICKEN FEATHER FIBRE /PHENOL FORMALDEHYDE COMPOSITE

A Project Report Submitted to the
Jawaharlal Nehru Technological University Kakinada
In the partial fulfillment for the Award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

By

V MOHAN SAI (51171A0350)

P RAM SAI (51171A0358)

M SUMANTH (51171A0381)

M SANNI BABU (51171A0375)

P RAM MOHAN (51171A0371)



Under the Esteemed Guidance of

Dr. V. SRINIVASA SAI

Professor

DEPARTMENT OF MECHANICAL ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE

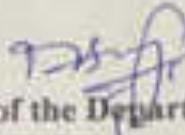
Certified that the project entitled "**EVALUATION OF MECHANICAL AND THERMAL PROPERTIES OF CHICKEN FEATHER FIBRE/PHENOL FORMALDEHYDE COMPOSITE**" which is a bonafide work carried out by V.MOHAN SAI, P.RAM SAI, M.SANNI BABU,M.SUMANTH and P.RAM MOHAN bearing register numbers 15H71A0360, 15H71A0368, 15H71A0375, 15H71A0381 and 15H1A0367 in partial fulfillment for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** by Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project has been approved as it satisfies the academic requirements in the aspect of project work prescribed for the said degree.


Project guide

Dr. V.SRINIVASA SAI

Professor




Head of the Department

Dr. M. Sreenivasa Rao

Professor

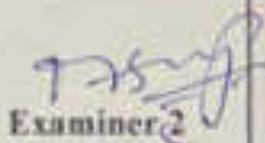


Principal

Dr. Y. Sudheer Babu
Dr. Y. SUDHEER BABU, Ph.D, IITB
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Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District'


Examiner 1


Examiner 2



Department of Electrons & Communication Engineering

A.Y:2018-19

List of Major Projects

Batch No	Reg. No	Name of the Student	Project Supervisor	Project Title
A1	15H71A0427	Manohita Ch	D. Rahul	IOT BASED DATA ACQUISITION SYSTEM USING RASPBERRY PI AND MQTT PROTOCOL
	15H71A0437	Raasi K		
	15H71A04A7	Sri Pavithra K		
	15H71A0479	Lavanya T		
A2	15H71A0407	Bhanu Sri Veda D	B.R.K.Singh	AUTOMATIC SEED SOWING MACHINE
	16H75A0407	Jeevan Prakash N		
	15H71A0439	Ramya K		
	15H71A0460	Vivek K		
A3	15H71A0457	Venkata Naga Sai Teja Sri P	G.Anantha Lakshmi	ANTI POACHING ALARM SYSTEM FOR TREES IN FOREST USING WIRELESS SENSOR NETWORKS
	16H75A0413	Sucharitha S		
	15H71A0444	Sailusha D		
	16H75A0401	Anil Kumar M		
A4	15H71A0454	Sumadhura K	N.Veeraiah	IMAGE BASED PASSWORD AUTHENTICATION USING TOUCH SCREEN & GSM MODULE
	15H71A0408	Bhargavi R		
	15H71A0425	Lakshmi Narasimha Bharath R		
	15H71A0435	Phaneendhra Nath P		
A5	15H71A0449	Sri Priya V	T Sridevi	BOARDER ALERT SYSTEM FOR FISHERMAN USING GPS
	15H71A0401	Anil Kumar K		
	15H71A0440	Rupa Prasuthi P		
	16H75A0404	Aravind Babu V		
A6	15H71A0445	Sajjada Md	K.Thirupathi Rao	BOAT RESCUE SYSTEM USING IOT
	15H71A0436	Priyanka M		
	15H71A0426	Manikanta G		
	15H71A0405	Avinesh G		
A7	15H71A0419	Indeswari Ch	T.Vijayakanth	ARTIFICIAL INTELLIGENCE API FOR CAR PARKING MANAGEMENT USING CONTROLLER AND IMAGE PROCESSING
	15H71A0442	Sai Aasritha V		
	16H75A0410	Narendra Babu Y		
	15H71A0404	Arif Kareem Sk		
A8	15H71A0417	Geethanjali P	Ch.Lakshmana	AGRITECH BOT
	15H71A0412	Delli Sai Krishna M		
	16H75A0403	Anusha T		
	16H75A0408	Jitesh Kumar B		
A9	15H71A0434	Navya G	Ch.Vineela	
	15H71A0413	Durga Prasad Ch		



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	16H75A0402	Anusha O		DESIGN OF MICROSTRIP PATCH ANTENNA FOR BIOMEDICAL APPLICATIONS
	16H75A0409	Naga Durga Bhanu Prasanth K		
A10	15H71A0459	Venkateswarlu R	B.Anil Babu	AUTOMATIC SPEED BREAKER SYSTEM
	15H71A0450	Sri Ramya M		
	15H71A0453	Srilekha Y		
	15H71A0420	Jaya Aditya R		
A11	15H71A0414	Eelokya K	A Siva Rama Krishna	AN AUTOMATIC DRIVER DROWSINESS ALERT SYSTEM BY USING RASPBERRY PI & GSM
	15H71A0458	Venkatesh A		
	16H75A0412	Sofia G		
	15H71A0415	Geeth Sagar B		
A12	15H71A0402	Anitha M	J.Naga Surekha	AUTOMATIC NETWORK FAILURE IDENTIFICATION IN RAILWAY TELECOMMUNICATION
	15H71A0406	Basava Anjeneyulu A		
	15H71A0451	Sri Sai Mounika R		
	15H71A0432	Naveen Reddy A		
A13	15H71A0418	Hemalatha V	Dr.Savitesh M Sharma	HEALTH PARAMETERS ANALYSIS & HEART STROKE FORECASTING USING DATA ANALYTICS
	15H71A0446	Saleem Sk		
	15H71A0448	Sowmya Sree U		
	15H71A0428	Mohan Kumar K		
A14	15H71A0422	Jothika K	Ch Pulla Rao	MOVING VEHICLE DETECTION FOR TRAFFIC COUNT
	15H71A0452	Srilatha D		
	16H75A0406	Jagadeesh Babu B		
	15H71A0447	Sivaji T		
A15	15H71A0424	Kanaka Shyam Sundaram K	D Rahul	HUMAN TO MACHINE VOICE COMMUNICATION SYSTEM
	15H71A0411	Deepika M		
	15H71A0403	Anudeep V		
	15H71A0416	Geetha E		
A16	15H71A0431	Nagendra Babu S	L.Tiru Ganesh	SMART MIRROR USING RASPBERRY PI
	15H71A0430	Nagapriyanka B		
	15H71A0410	Chandrakala M		
	15H71A0423	Kalesha Sk		
A17	15H71A0441	Sahithi A	K.Veenanand	TOXIC GASES DETECTION IN RAILWAY
	15H71A0438	Rajesh Ch		
	15H71A0443	Saidulu Ch		
	16H75A0411	Sai Tejaswi T		

Batch No	Reg. No	Name of the Student	Project Supervisor	Project Title
B1	15H71A0494	Pavani K	Dr.Savitesh M Sharma	WIRELESS CONTROLLABLE STAIR CLIMBING ROBOT
	15H71A0470	Indira N		
	16H75A0421	Sai Dinesh Kumar P		
	15H71A0490	Naveen Kumar J		



B2	15H71A04C0	Yeswanthi B	Ch Pulla Rao	LUNG CANCER DETECTION USING CT SCAN IMAGE
	15H71A0464	Chennakeshava Rao M		
	14H71A0488	Kumar T		
B3	15H71A04A6	Sravanthi P	D Rahul	SPEECH SECURITY SYSTEM
	16H75A0415	Bhavya Sri A		
	15H71A0499	Ramesh G		
	16H75A0425	Venkata Reddy K		
B4	15H71A04A2	Sai Sanjeev G	L.Tiru Ganesh	ARDUINO BASED SMART LPG GAS LEAKAGE DETECTOR SYSTEM
	15H71A04B1	Tarun Kumar S		
	15H71A0466	Dinesh Kumar K		
	15H71A0473	Koteswara Rao S		
B5	15H71A0491	Neelika A	K.Veenanand	HOME AUTOMATION USING GOOGLE ASSIST
	16H75A0423	Spandana G		
	15H71A04B9	Viswanadh P		
	15H71A04A8	Srikanth P		
B6	15H71A0467	Geetha Madhuri K	G.Kiran Kumar	SIGNAL CONTROLLER & ANTICOLLISION IN FOG
	15H71A04A1	Sai Charan M		
	15H71A0485	N S Indu M		
	15H71A0475	Kranthi Kumar A		
B7	15H71A04A4	Sowndarya Ch	TMS Bharadwaj	AUTOMATED COACH POSITION SYSTEM
	15H71A04A0	Roshini B		
	16H75A0419	Kalki Srinivas G		
	15H71A04B5	Vamsi M		
B8	15H71A04B2	Teja Sree Ch	K.V.Seshagiri Rao	FIRE DETECTION USING STEREOSCOPIC IMAGING AND IMAGE PROCESSING TECHNIQUES
	15H71A0476	Lahari K		
	15H71A04B4	Uma Raghavendra G		
	15H71A04A9	Surya Prakash M		
B9	15H71A04B3	Tejaswini N	V.Nagarani	AUTONOMOUS LIBRARY
	15H71A04B6	Vasanthi M		
	15H71A0497	Raheem Basha Sk		
	15H71A0493	Omkar Sai Krishna M		
B10	15H71A0461	Amruthavalli K	S.Ramadevi	UNDERGROUND CABLE FAULT LOCATOR USING GSM
	15H71A0477	Lakshmi G		
	16H75A0420	Rabbani Sk		
	14H71A04A2	Ramesh Babu J		
B11	15H71A04B8	Vimala S	V.Lakshmana	IOT BASED SMART SCHOOL BUS MONITORING SYSTEM
	15H71A0478	Lakshmi Narayana S		
	15H71A0486	Naga Jyothi Ch		
	15H71A0463	Chaitanya Kumar M		



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B12	15H71A0483	Manoj Kumar Ch	B.Sushma	MIL-STD 1553 BASED MESSAGE SIMULATOR FOR AEROSPACE APPLICATIONS
	15H71A04A3	Sameena Sultana		
	15H71A0495	Pavani N		
	15H71A0498	Rakesh Ch		
B13	15H71A0489	Naveen Babu S	Goutam Kumar Gupta	AUTOMATIC BUS BILLING SYSTEM USING RFID TECHNOLOGY
	15H71A0462	Aruna B		
	15H71A0482	Maneesh Mamatha Ch		
	16H75A0424	Uday R		
B14	15H71A0468	Gnana Naga Satya Bhavani G	M Gopala Krishna	SMART HELMET
	16H75A0418	Jagadish G		
	15H71A0496	Poojitha N		
	16H75A0414	Baji P		
B15	15H71A0481	Mahesh Kumar K	K.Sateesh	POLLUTION ALERT TO PASSENGERS IN TRAIN
	15H71A04B7	Venkateswara Rao J		
	15H71A0465	Dheeraj Krishna G		
	16H75A0422	Sai Surya V		
B16	15H71A0480	Likhitha P	Y.Sruthi	CURRENCY RECOGNITION SYSTEM USING IMAGE PROCESSING
	15H71A0474	Kovela N		
	16H75A0417	Gopi Krishna B		
	14H71A0481	Karthikeyan K		
B17	15H71A04B0	Tarun B	K S R Sastry	PLANT DISEASE DETECTION USING MACHINE LEARNING
	15H71A0471	Jayakrishna G		
	15H71A0488	Naresh Ch		
	16H75A0416	Dattu Praveen P		
Batch No	Reg. No	Name of the Student	Project Supervisor	Project Title
C1	15H71A04H0	Vanaja P	Goutam Kumar Gupta	DECISION TREE BASED SUBSURFACE ANALYSIS USING QFMTWI
	16H75A0430	Karthikeya M		
	15H71A04G1	Sreeja M		
	15H71A04G4	Srinivasa Reddy M		
C2	15H71A04D7	Madhu Chandana K	M Gopala Krishna	ADVANCED DRIVER ASSISTANCE SYSTEM WITH VEHICLE SECURITY FOR SAFE DRIVING
	15H71A04D4	Khurshid Sk		
	15H71A04E0	Manoj Kumar K		
	15H71A04C8	Gopi V		
C3	15H71A04F0	Ramya B	G.Kiran Kumar	SMART TRAFFIC CLEARANCE FOR EMERGENCY VEHICLES
	16H75A0429	Jahnavi Dana Murali Manohar Y		
	15H71A04F9	Sowmyamishra Ch		
	15H71A04F3	Sai Teja P		
C4	15H71A04E1	Mohitha D	Y.Sruthi	



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	16H75A0426	Baby Srujana V		DETECTION OF ACCIDENTAL VICTIMS USING ARDUINO
	15H71A04C9	Hari Babu B		
	15H71A04D8	Mani Tirupati Rao D		
C5	15H71A04E7	Pavan S	K S R Sastry	TEXT READER USING RASPBERRY PI
	15H71A04H3	Venkata Harika M		
	15H71A04C5	Divya Y		
	15H71A04G6	Surya Teja B		
C6	15H71A04D3	Kavya T	K.Deepthi	IMAGE STEGNOGRAPHY
	15H71A04G9	Upendra Ch		
	16H75A0435	Venkata Nikhil P		
	15H71A04F7	Sivaparvathi P		
C7	15H71A04C6	Divyalatha J	TMS Bharadwaj	BLUETOOTH VOICE CONTROLLED FIRE EXTINGUISHER ROBOT
	16H75A0431	Madhavipriya P		
	15H71A04H2	Veera Swamy Ch		
	15H71A04C7	Girish Kumar V		
C8	15H71A04G0	Sravani A	P.Leela Pavithra	ROBUST & LOW RANK REPRESENTATION FOR FAST FACE IDENTIFICATION WITH OCCLUSIONS
	15H71A04E6	Nitin Sai G		
	15H71A04E4	Naga Priyanka A		
	15H71A04G3	Srimanth M		
C9	15H71A04D0	Ibrahim Khalilulla Sk	D.Nagaraju	A CONCEPTUAL MODEL FOR AUTOMATED ATTENDANCE MARKING SYSTEM USING FACIAL RECOGNITION
	15H71A04H6	Nitin A		
	15H71A04D5	Krishna Sai Venkata Subash K		
	15H71A04E2	N Akarsh D		
C10	15H71A04E8	Rajarajeswari G	T Sushma	AUTOMATIC FISH FEEDER AND MONITORING SYSTEM USING ARDUIONO
	16H75A0428	Hari Krishna Y		
	15H71A04H1	Vasundhara M		
	16H75A0432	Naga Babu V		
C11	15H71A04E5	Naveen K	K.Sateesh	COLOR BASED PRODUCT SORTING MACHINE
	16H75A0433	Priyanka Ch		
	15H71A04D9	Maniharika D		
	16H75A0436	Venkata Prasad Kumar K		
C12	16H75A0427	Bhagya Sri P	K.V.Seshagiri Rao	REAL TIME LOCATION OF LOCOMOTIVES
	15H71A04E9	Rakesh J		
	15H71A04D2	Kavya Sri R		
	15H71A04F1	Revanth Kumar B		
C13	15H71A04C4	Jaya Anuhya T	B.R.K.Singh	WIRELESS MONITORING AND CONTROLLING OF GREEN HOUSE ENVIRONMENT
	15H71A04G8	Triveni N		
	15H71A04H4	Venkata Mani Teja Ch		
	15H71A04D1	Joseph Eda		



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C14	15H71A04G2	Sri Santhosh Bhargav K	G.Anantha Lakshmi	SOLOR ENERGY TRACING WITH SUPERCAPITORS AS ENERGY STORAGE
	15H71A04D6	Lakhsmi Mythili P		
	16H75A0437	Vijaya Lakshmi C		
	15H71A04C1	Anirudh Kumar N		
C15	15H71A04H5	Vineetha N	N.Veeraiah	PREPAID ENERGY METER USING ARDUINO AND NODE MCU
	15H71A04C3	Bhavani P		
	15H71A04F5	Shahil B		
	15H71A04H7	K.S.Sridhar Sastry		
C16	15H71A04F2	S V V S Ravi Raja B	T Sridevi	SELF DRIVING CAR
	15H71A04F6	Siva Kumar M		
	15H71A04G5	Subhakar L		
C17	15H71A04E3	Naga Harika G	K.Thirupathi Rao	SIGN TO SPEECH CONVERTER SYSTEM FOR DISABLED PEOPLE
	15H71A04F4	Satish L		
	15H71A04G7	Suvarna Prakash K		

Signature of Coordinator

Mr. D.Rahul

Signature of HoD

(Dr.Ch.Pulla Rao)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"AUTOMATIC SPEED BREAKER 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

R. Venkateswara (15H71A0459)

M. Sri Ramya (15H71A0450)

Y. Sri Lekha (15H71A0453)

R. Jaya Aditya (15H71A0420)

Under the Esteemed Guidance of
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CERTIFICATE

This is to certify that the Main Project entitled "AUTOMATIC SPEED BREAKER SYSTEM" is a bonafide work carried out by R. Venkateswarlu (15H71A0459) M. Sri Ramya (15H71A0450) Y. Sri Lekha (15H71A0453) R. Jaya Aditya (15H71A0420) 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.


(Mr. H. A. S. L. BABU)

Project Supervisor




(Dr. Goutam Kumar Gupta)
Head of the Department


(Dr. Y. Sudheer Babu)

Principal

**Dr. Y. SUDHEER BABU, Ph.D, IITR
PRINCIPAL**

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MIC College of Technology
KANCHIKACHERLA, Krishna District*


Examiner 1


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"TOXIC GASES DETECTION IN RAILWAYS"

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. SAHITHI (15H71A0441)

CH. RAJESH (15H71A0438)

CH. SAIDULU (15H71A0443)

T. SAI TEJASWI (16H75A0411)

Under the Esteemed Guidance of
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This is to certify that the Main Project entitled "Toxic Gases Detection in Railways" is a bonafide work carried out by A.Sahithi(15H71A0441), CH.Rajesh(15H71A0438), CL.Saidulu(15H71A0443), T.Sai Tejaswi(16H75A0411) 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.


(Mr. K. VEERANAND)

Project Supervisor




(Dr. Goutam Kumar Gupta)

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(Dr. Y. Sudheer Babu)


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KANDIKAONDA, A. Krishna District


Dr. P. RAMA RAO

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"IOT BASED SMART SCHOOL BUS MONITORING"

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. VIMALA (15H71AD488)

S. LAKSHMI NARAYANA (15H71AD478)

CIL NAGA JYOTHI (15H71AD486)

M. CHAITANYA KUMAR (15H71AD463)

Under the Esteemed Guidance of
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CERTIFICATE

This is to certify that the Main Project entitled "IOT BASED SMART SCHOOL BUS MONITORING" is a bonafide work carried out by S. VIMALA (15H71A0488), S. LAKSHMI NARAYANA (15H71A0478), CH. NAGA JYOTHI (15H71A0486), M. CHAITANYA KUMAR (15H71A0463) 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.

Project Supervisor



(Dr. Goutam Kumar Gupta)

Head of the Department

(Dr. Y. Sudheer Babu)

Principal

Dr.Y. SUDHEER BABU, Ph.D, IITB
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KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"DESIGN OF INVERTED E-SHAPED TEXTILE ANTENNA FOR MEDICAL 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

G. NAVYA (15H71A0404)

CH. DURGA PRASAD (15H71A0413)

O. ANUSHA (16H75A0402)

K. NAGA DURGA BHANU PRASANTH (16H75A0409)

Under the Esteemed Guidance of
Mrs. K. DEEPTHI, M. Tech.,
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 "**DESIGN OF INVERTED E-SHAPE TEXTILE ANTENNA FOR MEDICAL APPLICATIONS**" is a bonafide work carried out by **G.NAVYYA(16H7SA0434), CHIDURGA PRASAD(16H7SA0415), Q.ANUSHA(16H7SA0492), and K.NAGADURGABHIANU PRASANTH(16H7SA0497)** 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.

(Mrs. K. DEEPTHI)

Project Supervisor



(Dr. Goutam Kumar Gupta)

Head of the Department

(Dr. Y. Sudheer Babu)

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Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"ANTI-POACHING ALARM SYSTEM FOR TREES IN FOREST
USING WIRELESS SENSOR 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

P. Venkata Naga Sai Teja Sri (15H71A0457)

D. Sailusha (15H71A0444)

S. Sucharitha (16H75A0413)

M. AnilKumar (16H75A0401)

Under the Esteemed Guidance of
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G. A. Lakshmi
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Project Supervisor



Goutam Kumar Gupta
(Dr. GOUTAM KUMAR GUPTA)

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Examiner

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Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"Moving Vehicle Detection for Traffic Count"

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

Jothikalli (15H71A0422)

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An ISO 9001:2008

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CERTIFICATE

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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"LUNG CANCER DETECTION USING CT-SCAN IMAGE"

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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T. KUMAR (14H71A0488)

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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"Pollution Alert to Passengers in Train"

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

BACHELOR OF TECHNOLOGY
in
ELECTRONICS & COMMUNICATION ENGINEERING

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DHEERAJ KRISHNA G(15H71A0465)

VENKATESWAR RAO J(15H71A0487)

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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"AUTONOMOUS LIBRARY"

Submitted to

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS & COMMUNICATION ENGINEERING

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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"UNDERGROUND CABLE FAULT DETECTION"

Submitted to
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BACHELOR OF TECHNOLOGY
in
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Examiner 1


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"COLOR BASED PRODUCT SORTING MACHINE"

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. Mani Harika (15H71A04D9)

CH. Priyanka (16H75A0433)

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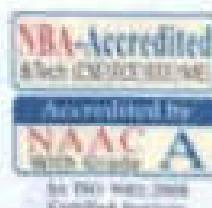
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Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



HUMAN TO MACHINE VOICE COMMUNICATION SYSTEM

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

BACHELOR OF TECHNOLOGY
in
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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"A CONCEPTUAL MODEL FOR AUTOMATIC ATTENDANCE
MARKING SYSTEM USING FACIAL RECOGNITION"**

Submitted to

Jawaharlal Nehru Technological University Kakinada

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

In

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Submitted by

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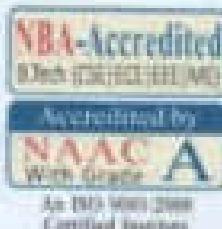


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Mr. D.NAGARAJU
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Dr. GOUTHAM KUMAR GUPTA
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Examiner 1


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"Automatic Seed Sowing Machine"

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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N. Jeevan Prakash (16H75A0407)

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Project Supervisor




(Dr. Goutam Kumar Gupta)
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Principal

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Examiner 1


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"ARTIFICIAL INTELLIGENCE API FOR CAR PARKING
MANAGEMENT SYSTEM USING CONTROLLER AND IMAGE
PROCESSING 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

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V.Sai Aasritha (15H71A0442)

V.Narendra (16H75A0410)

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Accredited by
NAAC **A**
With Grade
An ISO 9001:2008
Certified Institute

CERTIFICATE

This is to certify that the Main Project entitled "ARTIFICIAL INTELLIGENCE API FOR CAR PARKING MANAGEMENT SYSTEM USING CONTROLLER AND IMAGE PROCESSING USING RASPBERRY PI" is a bonafide work carried out by CHINDESWARI (15H71A0419), V.SAI AASRITHA (15H71A0442), Y.NARENDRA (16H75A0410), SK. ARIF KARIM (15H71A0404) 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.


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Examiner 1


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"ROBUST AND LOW-RANK REPRESENTATION FOR FAST FACE
IDENTIFICATION WITH OCCLUSIONS"

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.SRAVANI (15H71A04G0)

G.NITIN SAI (15H71A04E6)

A.NAGA PRIVANKA (15H71A04E4)

M.SRIMANTH (15H71A04G3)

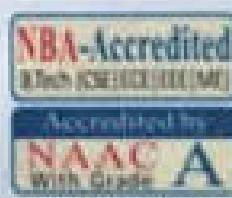
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(P. Leda Rayithra)

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Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"IMAGE STEGANOGRAPHY"

Submitted to
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T.Kavya (15H71A04D3)

Ch.Upendra (15H71A04G9)

P.Venkat Nikhil (16H75A0435)

P.Siva Parvathi (15H71A04F7)

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This is to certify that the Main Project entitled "IMAGE STEGANOGRAPHY" is a bonafide work carried out by T.Kavya (15H71A04D3) CH.Upendra (15H71A04G9) P.Nikhil (16H75A0435) P.Siva Parvathi (15H71A04F7) 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.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



TEXT READER USING RASPBERRY PI

Submitted to
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V.DIVYA (15H71A04C5)

B.SURYA TEJA (15H71A04G6)

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This is to certify that the Main Project entitled "TEXT READER USING RASPBERRY PI" is a bonafide work carried out by S.PAVAN (15H71A04E7), M.VENKATA HARIKA (15H71A04H3), Y.DIVYA (15H71A04CS), B.SURYA TEJA (15H71A04G6) in partial fulfillment for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University Kakinada during the year 2018-19.


(Mr. K. S. R. Sastry)

Project Supervisor




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Examiner 1


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"BLUETOOTH VOICE CONTROLLED FIRE EXTINGUISHER ROBOT"

Submitted to

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

BACHELOR OF TECHNOLOGY
in
ELECTRONICS & COMMUNICATION ENGINEERING

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VEERA SWAMY.CH (15H71A04H2)

GIRISH KUMAR.V (15H71A04CT)

Under the Esteemed Guidance of
Mr.TMS.BHARADWAJ ,M.Tech.

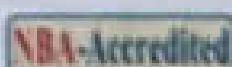
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This is to certify that the Main Project entitled "BLUETOOTH VOICE CONTROLLED FIRE EXTINGUISHER ROBOT" is a bonafide work carried out by DIVYALATHA.J(15H71A04C6), MADHAVIPRIYA.P(16H75A0431), VEERASWAMY.CB(15H75A04H2), GIRISH KUMAR.V(15H71A04C7) in 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.


(Mr. TMS. BHARADWAJ)

Project Supervisor




(Dr. Goutam Kumar Gupta)

Head of the Department


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Examiner 1


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"BORDER ALERT SYSTEM FOR FISHERMEN USING GPS"

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

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P.RUPA PRASUTHI (15H71A0440)

V.ARAVIND BABU(16H75AB404)

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This is to certify that the Main Project entitled "BORDER ALERT SYSTEM FOR FISHERMEN USING GPS" is a bonafide work carried out by V. SRI PRIYA (15H7LA0469), KANIL KUMAR(15H7LA0491), P. RUPA PRASUTHI (15H7LA0449), V. ARAVIND BABU (16H7SA0404) 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.

Project Supervisor



(Dr. Gautam Kumar Gupta)
Head of the Department

(Dr. V. Sudheer Babu)
Principal

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Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"Advanced Driver Assistance System (ADAS) with Vehicle Security for
Safe Driving"

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. Madhu Chandana	(15H71A04D7)	SK. Khurshid	(15H71A04D4)
K. Manej Kumar	(15H71A04E0)	V. Gopi	(15H71A04C0)

Under the Esteemed Guidance of
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CERTIFICATE

This is to certify that the Main Project entitled "ADVANCED DRIVER ASSISTANCE SYSTEM (ADAS) WITH VEHICLE SECURITY FOR SAFE DRIVING" is a bonafide work carried out by K. Madhu Chandana (15H71A0407), SK. Khurshid (15H71A0408), K. Manoj Kumar (15H71A0409), V. Gopi (15H71A0405) 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.

M. Gopala Krishna,
(M. Gopala Krishna)
Project Supervisor



Goutam Kumar Gupta,
(Dr. Goutam Kumar Gupta)
Head of the Department

SB-1
(Dr. V. Sudheer Babu)

Dr. Y. SUMMER BASU, M.D. (IITB)
PRINCIPAL
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MIC College of Technology
KANCHIKACHERLA, Krishna District

Exhibit 1

S. D. Acharya
Exhibit 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"SMART MIRROR 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

S. NAGENDRA BABU (15H7IA043)

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SK. KALESHA (15H7IA042)

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CERTIFICATE

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(Mr. L. TIRUGANESH)

Project Supervisor




(Dr. GOUTAM KUMAR GUPTA)
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(Dr. Y. SUDHEER BABU)

Principal

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Examiner 1


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**IMAGE BASED PASSWORD AUTHENTICATION USING TOUCH
SCREEN AND GSM MODULE**

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

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

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R. L. N. Bharath (15BT1A0425)

R. Bhargavi (15BT1A0498)

P. Phaneendra Nath (15BT1A0409)

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CERTIFICATE

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N. Veeriah
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S. Balaji
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"DECISION TREE BASED SUBSURFACE ANALYSIS
USING QUADRATIC FREQUENCY MODULATED
THERMAL WAVE IMAGING"**

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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Mandava Karthikeya (16H75A0430)

Madala Sreeja (15H71A04G1)

Mondeddu Srinivasa Reddy (15H71A04G4)

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This is to certify that the Mini Project entitled "Decision Tree Based Substrate Analysis Using Quadratic Frequency Modulated Thermal Wave Imaging" is a bonafide work carried out by P.Naveen (15H71AD010), M.Karthikya (16A07LA0009), V.Sreeja (15H71AD04GT), N.Srinivas Reddy (15H71AD00-4) 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 2016-17.

Goutam Kumar Gupta
(Dr. Goutam Kumar Gupta)

Project Gutenberg



Graham Keay & Sons
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Head of the Department

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**HEALTH PARAMETER ANALYSIS AND HEART STROKE
FORECASTING USING DATA ANALYTICS**

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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SK. Saleem (1SH71A0446)

U. Sowmya sree (1SH71A0448)

K. Mohan Kumar(1SH71A0428)

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Grade 'A'
Accredited by
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CERTIFICATE

This is to certify that the Main Project entitled **HEALTH PARAMETERS ANALYSIS AND HEART STROKE FORECASTING USING DATA ANALYTICS** is a bonafide work carried out by V HEMALATHA(15H71AD418), SK SALEEM(15H71AD446), U.SOWMYASREE(15H71AD448), K MOHAN KUMAR(15H71AD428) 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.

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Sudheer Babu

(Dr. Y. Sudheer Babu)
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Examiner 1
Examiner 1

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KALYANAKRISHNA



"PLANT DISEASE DETECTION USING
MACHINE LEARNING"

Submitted to
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"Detection of accidental victims using ARDUINO"

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

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Examiner 1

Qurt
Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"SELF DRIVING CAR"

Submitted to

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in
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从那时起，我开始对文学产生浓厚的兴趣。我开始阅读各种各样的书籍，包括古典文学、现代文学、外国文学等。

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This is to certify that the Main Project entitled "SELF DRIVING CAR" is a bona fide work carried out by B.S.V.V.S.RAVI RAJA (15H71A04P2), M.SIVAKUMAR (15H71A04P6), L.SUBRAKAR (15H71A04G5) 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.

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卷二

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"WIRELESS MONITORING AND CONTROLLING OF GREEN HOUSE ENVIRONMENT"

Submitted to

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



PREPAID ENERGY METER USING ARDUINO AND NODEMCU

Submitted to

Jawaharlal Nehru Technological University Kakinada

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

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"Detection of accidental victims using ARDUINO"

Submitted to
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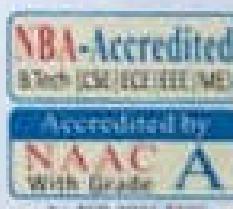
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"Currency Detection System using Image Processing"

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Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"AUTOMATIC FISH FEEDING & MONITORING SYSTEM
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

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"MIL-STD 1553B Based Message Simulator for Aerospace Application"

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

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"ARDUINO BASED SMART LPG GAS LEAKAGE
DETECTOR SYSTEM"**

Submitted to

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CERTIFICATE

This is to certify that the Main Project entitled "**ARDUINO BASED SMART LPG GAS LEAKAGE DETECTOR SYSTEM**" is a bonafide work carried out by G.Sai Sanjeev (15BT1A0412), K.Dinesh Kumar (15BT1A0466), S.Tarun Kumar (15BT1A0481), S.Katerwara Rao (15BT1A0478) 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.

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Project Supervisor



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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"BOAT RESCUE 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

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M. Priyanka (15BT1A0406)

G. Manikanta (15BT1A0426)

G. Avinash (15BT1A0405)

Under the Esteemed Guidance of
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This is to certify that the Main Project entitled "Boat Rescue System using IoT" is a
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V. Chandrasekhar
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"HOME AUTOMATION USING GOOGLE ASSIST"

Submitted to

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in partial fulfillment for the award of the degree of

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in
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This is to certify that the Main Project entitled "HOME AUTOMATION GOOGLE ASSIST" is a bonafide work carried out by A. NEELIKA (18071A097), G. SPANDANA (18075AD423), P. VISWANADH (18071A0609), P. SRIKANTH (18071A0611) 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.

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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"SOLAR ENERGY TRACING WITH SUPERCAPACITOR AS ENERGY STORAGE"

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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Ch.Vijaya Lakshmi(16H75A0437)

P.Lakshmi Mythili (15H71A04D6)
N.Anirudh Kumar (15H71A04C1)

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Principals I

Principals II

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"AUTOMATIC COACH POSITION 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

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G.Kalki Srinivas (16H75A0419)

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D. Dally
Examiner 1

A. Venkateswaran
Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"Wireless Controllable Stair Climbing Robot"

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

**BACHELOR OF TECHNOLOGY
in
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This is to certify that the Main Project entitled "Wireless Controllable Slave Climbing Robot" is a bonafide work carried out by K. Pavani(15H71AD494), N. Indira(15H71AD479), P. Sai Dinesh Kumar(16H75A0421), J. Navneet Kumar(15H71AD499) 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.

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S. Balaji
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



SIGN TO SPEECH CONVERSION SYSTEM FOR DISABLED PEOPLE

Submitted to
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IN
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K.S.PRAKASH (15H71A09G7)

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This is to certify that the Main Project entitled "SIGN TO SPEECH CONVERSION SYSTEM FOR MUTE PEOPLE" is a bonafide work carried out by G. Naga Harika (18H71A04E3), L. Satish (18H71A04F4) and K. S. Prakash (18H71A04G7), 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.

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29/03/19
(Mr. K. Thirupathi Rao)

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Exhibit 2

Exhibit 2
Exhibit 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"AUTOMATIC NETWORK FAILURE IDENTIFICATION IN RAILWAY
TELECOMMUNICATION"**

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

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in
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This is to certify that the Main Projectentitled "AUTOMATIC NETWORK FAILURE IDENTIFICATION IN RAILWAY TELECOMMUNICATION" is a bonafide work carried out by M. ANITHA (15H71A0402), A. BASAVA ANJENEYELU (15H71A0406), R. SRI SAI MOUNIKA (15H71A0451), A. NAVEEN REDDY (15H71A0432) 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.

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Goutam Kumar Gupta
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"AGRITECH BOT"

Submitted to

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in partial fulfillment for the award of the degree of

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in

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This is to certify that the Main Project entitled "AGRITECH BOT" is a bonafide work carried out by P. GEETHANJALI (16H7SAD017), M. DEELE SAI KRISHNA (16H7SAD021), T. ANUSHA (16H7SAD031), R. JITESH KUMAR (16H7SAD09), 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.


(Mr. CH. LAKSHMANA)

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Examiner 1


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"An Automatic Driver Drowsiness Alert System by using Raspberry-pi & GSM"

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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G. Sofia (16H75A0412)

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CERTIFICATE

This is to certify that the Main Project entitled "An Automatic Driver Drunkenness Alert System by using Raspberry-pi & GSM" is a bonafide work carried out by K.Felukya (15H71A0414), A.Venkatesh (15H71A0459), G.Sofia (16H75A0412), R.Gerth Sagar (15H71A0415) 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.


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Principal
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(Dr. Goutam Kumar Gupta)
Head of the Department


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



HUMAN TO MACHINE VOICE COMMUNICATION SYSTEM

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

BACHELOR OF TECHNOLOGY
in
ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

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CERTIFICATE

This is to certify that the Main Project entitled "HUMAN TO MACHINE VOICE COMMUNICATION SYSTEM" is a bonafide work carried out by K. SHYAM (15H71A0424), M. DEEPIKA (15H71A0411), V. ANUDEEP (15H71A0403), E. GEETHA (15H71A0416) 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.

(Mr. D. RAHUL)
Project Supervisor



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Principal
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"SPEECH SECURITY SYSTEM"

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

BACHELOR OF TECHNOLOGY
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This is to certify that the Main Project entitled "Speech Security System" is a
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Ramesh G (15H71A0499), **Venkat Reddy K (16H75A0425)** in partial fulfillment for the
Award of degree of Bachelor of Technology in Electronics and Communication
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Examiner 1
05/04/2019.

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"AUTOMATIC BUS BILLING SYSTEM USING
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

S. Naveen Babu(15H71A0489)

R. Aruna(15H71A0482)

CH. Manoosh Mamatha(15H71A0482)

R.Uday(16H75A0424)

Under the Esteemed Guidance of
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CERTIFICATE

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(Dr. Goutam Kumar Gupta)

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Examiner

Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"SIGNAL CONTROLLER IN FOG AND OBSTACLE DETECTOR"

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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M.Sai Charan (15H71A04A1)

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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"BLUETOOTH VOICE CONTROLLED FIRE EXTINGUISHER ROBOT"

Submitted to

Jawaharlal Nehru Technological University Kakinada
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D.S.
Examiner 1

D.S.
Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"REAL TIME LOCATION OF LOCOMOTIVES"

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

BACHELOR OF TECHNOLOGY
in
ELECTRONICS & COMMUNICATION ENGINEERING

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"AUTOMATIC SPEED BREAKER SYSTEM"

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

BACHELOR OF TECHNOLOGY
In
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Examiner 1


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"TOXIC GASES DETECTION IN RAILWAYS"

Submitted to

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This is to certify that the Main Project entitled "Toxic Gases Detection in Railways" is a bonafide work carried out by A.Sahithi(15H71A0441), CH.Rajesh(15H71A0438), CL.Saidulu(15H71A0443), T.Sai Tejaswi(16H75A0411) 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.


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"IOT BASED SMART SCHOOL BUS MONITORING"

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

BACHELOR OF TECHNOLOGY
in
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Submitted by

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Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"DESIGN OF INVERTED E-SHAPED TEXTILE ANTENNA FOR MEDICAL 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

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This is to certify that the Main Project entitled "**DESIGN OF INVERTED E-SHAPE TEXTILE ANTENNA FOR MEDICAL APPLICATIONS**" is a bonafide work carried out by **G.NAVYYA(16H7SA0434), CHIDURGA PRASAD(16H7SA0415), Q.ANUSHA(16H7SA0492), and K.NAGADURGABHIANU PRASANTH(16H7SA0497)** 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.

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Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



**"ANTI-POACHING ALARM SYSTEM FOR TREES IN FOREST
USING WIRELESS SENSOR 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**

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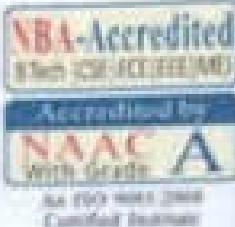


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Project Supervisor



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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"Moving Vehicle Detection for Traffic Count"

Submitted to

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

BACHELOR OF TECHNOLOGY
in
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Submitted by

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As per NAAC
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"LUNG CANCER DETECTION USING CT-SCAN IMAGE"

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

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Submitted by

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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2018-2019



As ISO 9001:2000
Certified Institute



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2018-2019



CERTIFICATE

This is to certify that the Main Project entitled "**LUNG CANCER DETECTION USING CT-SCAN IMAGE**" is a bonafide work carried out by **B. YESWANTHI (15H71A04C0), M. CHENNAKESHAVA RAO (15H71A0464), T. KUMAR (14H71A0488)** 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.

(Mr. Ch. Pullarao)
Project Supervisor



(Dr. Goutam Kumar Gupta)
Head of the Department

(Dr. Y. Sudheer Babu)
Dr. Y. SUDHEER BABU, Ph.D, IITM
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KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"Pollution Alert to Passengers in Train"

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

MAHESH KUMAR K(15H71A0481)

DHEERAJ KRISHNA G(15H71A0465)

VENKATESWAR RAO J(15H71A0487)

SAI SURYA V(16H75A0422)

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

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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2018-2019

NBA-Accredited
Edu IS 103, III/90

Accredited by
NAAC **A**
With Grade
As ISO 9001:2008
Certified Institute



Devineni Venkata Ramana & Dr Hima Sekhar

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2018-2019



Accredited by



As per NAAC

Certified Institute

CERTIFICATE

This is to certify that the Main Project entitled "Pollution Alert to Passengers in Train" is a bonafide work carried out by Mahesh Kumar K(15H71A0481), Venkateswar Rao J(15H71A0487), Dheeraj Krishna G(15H71A0465) and Sri Surya V(16H75A0422) 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 2018-19.

(Mr. K. SATISH)
Project Supervisor



(Dr. Goutam Kumar Gupta)
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MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"AUTONOMOUS LIBRARY"

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.TEJASWINI (15H71A04B3)

M.VASANTHI (15H71A04B6)

SIGRAHEEM BASHA (15H71A0497)

M.DMKAR SAI KRISHNA (15H71A0493)

Under the Esteemed Guidance of

Mrs. V. NAGARANI, M.Tech.,

Assistant Professor

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2018-2019

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Accredited by
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As per NAAC 2018
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2018-2019



CERTIFICATE

This is to certify that the Main Project entitled "AUTONOMOUS LIBRARY" is a bonafide work carried out by N.Tejaswini (15H71A04B3), M.Vasantha (15H71A04B6), SK.Raheem hasha (15H71A0497), MOmkar sai Krishna (15H71A0493) 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.

(Mrs. V. NAGARANI)

Project Supervisor



(Dr. Goutam Kumar Gupta)
Head of the Department

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Dr. Y. SUDHEER BABU, Ph.D, IITK
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Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District'

Examiner 1

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"UNDERGROUND CABLE FAULT 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

K. Amrutha valli (15H71A0461)
Sk. Rabbani (16H75A0420)

G. Lakshmi (15H71A0477)
J. Ramesh babu (14H71A04A2)

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

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2018-2019





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2018-2019



Accredited by



As ISO 9001:2008

Certified Institute

CERTIFICATE

This is to certify that the Main Project entitled "Underground cable fault detection" is a bonafide work carried out by K. Amrutha valli(15H71A0461), G. Lakshmi (15H71A0477), Sk. Rabbani(16H75A0420), J. Ramesh babu(14H71A04A2) 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.


(Mrs. SRAVIADEVI)

Project Supervisor




(Dr. Goutam Kumar Gupta)

Head of the Department


(Dr. Y. Sudheer Babu)

Principal

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

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MIC College of Technology
KANCHIKACHERLA, Krishna District


Examiner 1


Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



"COLOR BASED PRODUCT SORTING MACHINE"

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. Neveen (15H71A04E5)

D. Mani Harika (15H71A04D9)

CH. Priyanka (16H75A0433)

K. V. Prasad Kumar (16H75A0436)

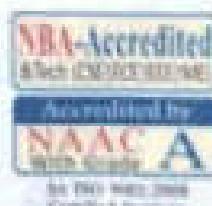
Under the Esteemed Guidance of
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2018-2019



CERTIFICATE

This is to certify that the Main Project entitled "**COLOR BASED PRODUCT SORTING MACHINE**" is a bonafide work carried out by K. Neveen (15H71A04ES), C.H. Priyanka (16H75A0433), D. Mani Harika (15H71A04D9), K. V. Prasad Kumar (16H75A0436) 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.

(Mr. K. Sateesh)
Project Supervisor



(Dr. Goutam Kumar Gupta)
Head of the Department

(Dr. Y. Sudheer Babu)

Principal

**Dr.Y. SUDHEER BABU, Ph.D, IITB
PRINCIPAL**

Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

Examiner 2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

KAKINADA



E-HEALTH CARE SYSTEM

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

B.Anitha(15H71A05C2)

K.Chandrika(15H71A05C9)

G.Manasa(15H71A05E0)

D.Madhav(15H71A05D9)

Under the External Guidance of

Ms.K.Priyanka

Assistant Professor

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AUTONOMOUS

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CERTIFICATE

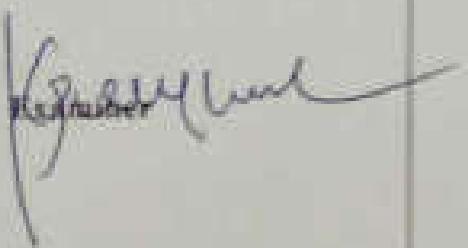
This is to certify that the project work entitled "E-HEALTH CARE SYSTEM" is a bonafide work carried out by Ms B.Anitha(15H71A05C2), Ms K.Chandrika(15H71A05C9), Ms G.Manasa(15H71A05E0), Mr.D.Madhav(15H71A05D9) in partial fulfillment for the award of the degree of Bachelor of Technology in Computer Science and Engineering of Jawaharlal Nehru Technological University, Kakinada during the year 2018-2019. 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.


Project Guide
(Ms.K.Priyanka)




Head of the Department
(Dr.A.Jayalakshmi)


Principal
(Dr.Y.Sudheer Babu)


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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ONLINE ASSESSMENT

A project report Submitted to the
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BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE & ENGINEERING

By

G Sai Rohit (15H71A0537)

M Jagadish (15H71A0512)

M Bhavana Phani (15H71A0506)

S Sai Raghavendra (15H71A0536)

B Krishna Sai (15H71A0553)

Under the Esteemed Guidance of

Dr.G Kalyani

Professor

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Kanchikacherla - 521180, Krishna Dist. A.P.

2018-19





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CERTIFICATE

This is to certify that the project report entitled "**Online Assessment**" 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 **G Sai Robit (15H71A0537), M Jagadish (15H71A0512), M Bhavana Phani (15H71A0506), S Sai Raghavendra (15H71A0536), B Krishna Sai (15H71A0553)** under my guidance during the academic year 2015-2016 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Dr. G. Kalyani
(Project Guide)

Examiner



Dr. A. Jaya Lakshmi
(Head of the Department)

Dr. V. SUDHEER BABU
(Principal)

Dr. V. SUDHEER BABU, M.Tech.
PRINCIPAL
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KANCHIKACHERLA, Krishna District

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



ONLINE STUDENT COUNSELING REPORT

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

D. Yamini (15H71A05H7)

V.Hemanth (15H71A05D3)

B. Rini Pravallika (15H71A05F2)

M. Chanda Charan (15H71A05D0)

Under the Esteemed Guidance of

Mr. B. AJAY KUMAR

Associate Professor

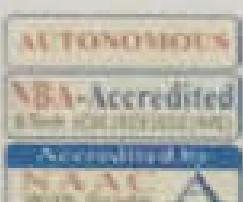
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CERTIFICATE

This is to certify that the project work entitled "**“ONLINE STUDENT COUNSELING REPORT”**" is a bonafied work carried out by Ms. D. Yamini (15H71A05H7), Mr. V. Hemanth (15H71A05D3), Ms. B. Rini Pravallika (15H71A05F2), Mr. M. Chandu Charan (15H71A05D9) 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 2018-2019. 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. B. AJAY KUMAR
(Project Guide)



Dr. A. JAYALAKSHMI
(Head of the Department)

Dr. Y. SUDHEER BABU
(Principal)

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

Devineni Venkata Ramana & Dr. Himasekhar
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KANCHIKACHERLA, KRISHNA DISTRICT

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



BLOOD BANK MANAGEMENT APPLICATION

A project submitted to

Jawaharlal Nehru Technological University Kakinada

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

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE & ENGINEERING

By

K. VENU BABU (15H71A0558)

D. SREE DURGA (15H71A0544)

A. SAI PRASANNA (15H71A0535)

V. PRAVALLIKA (15H71A0527)

Under the Esteemed Guidance of

Mrs. A. ANURADHA

Assistant Professor

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Devineni Venkata Ramana & Dr. Hima Sekhar

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2018-2019

NBA-Accredited
www.nba.org.in (ME)

Accredited by
NAAC With Grade
A

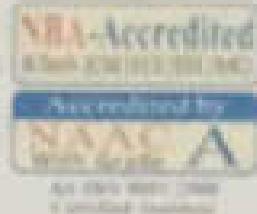
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2018-2019

CERTIFICATE

This is to certify that the project report entitled "**BLOOD BANK MANAGEMENT APPLICATION**" which is bona fide work carried out by K.Venu Babu (15H71A0558), D.Sree Durga(15H71A0544), A.Sai Prasanna(15H71A0535), V.Pravallika (15H71A0527) in partial fulfilment for the award of the degree of Bachelor of Technology in Computer Science and Engineering of Jawaharlal Nehru Technological University, Kakmada during the year 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in the respect of project work prescribed for the degree.


A. Anuradha

(Project Guide)

Examiner


Dr. A. Jaya Lakshmi

(Head of the Department)




Dr. Y. Sudheer Babu

(Principal)

**Dr. Y. SUDHEER BABU, Ph.D, IITB
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Devineni Venkata Ramana & Dr. Himasakhar
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KANCHIKACHERLA, KRISHNA DISTRICT

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



CLUSTERING QUALITY IMPROVEMENT OF K-MEANS
USING PARTICLE SWARM OPTIMIZATION

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

Swathi, P (15H71A0550)
Rohit Singh Rajaputra (15H71A0532)

M. Sai Venkatesh (15H71A0538)
Mythri.P (15H71A0522)

Under the Esteemed Guidance of
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Assistant Professor

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Devineni Venkata Ramana & Dr Hima Sekhar
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Accredited by NBA: EEE-MECSE-ECE & NAAC with 'A' Grade
Kanchikacherla - 521180, Krishna Dist, A.P.

2018-19





Devineni Venkata Ramana & Dr Himaa Sekhar
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CERTIFICATE

This is to certify that the project report entitled "Clustering Quality Improvement of K-Means Using Particle Swarm Optimization" 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 Swathi.P (15H71A0550), M. Sai Venkatesh (15H71A0538), Rohit Singh Rajaputra (15H71A0532), Mythri.P (15H71A0522) under my guidance during the academic year 2015-2016 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

N. V. Maha Lakshmi
(Project Guide)

Dr. A. Jays Lakshmi
(Head of the Department)

Examiner



Dr. Y. SUDHEER BABU
(Principal)
Dr. Y. SUDHEER BABU, Ph.D, IITM
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KANCHIKACHERLA, Krishna District

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



Exploratory Data Analysis of SVD based Movie Recommendation Systems

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

Ch. Anusha (15H71A0502)
G. Srihitha (15H71A0548)

D. Lavanya (15H71A0518)
K. Venkata Krishna(15H71A0556)

Under the Esteemed Guidance of
Mrs. V. LAKSHMI CHETANA
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Accredited by NBA: IEEE/ME/CSE/ECE & NAAC with 'A' Grade
Kanchikacherla - 521180, Krishna Dist, A.P.

2018-19





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



CERTIFICATE

This is to certify that the project report entitled "Exploratory Data Analysis of SVD based Movie Recommendation Systems" 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 Ch. Anusha (15H71A0502), D. Lavanya (15H71A0518), G. Srihitha (15H71A0548), K. Venkata Krishna (15H71A0556) under my guidance during the academic year 2018-2019 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

V. Lakshmi Chetana
(Project Guide)

Examiner


Dr. A. Jaya Lakshmi
(Head of the Department)

Dr. Y. SUDHEER BABU
(Principal)

**Dr. Y. SUDHEER BABU, Ph.D, IITB
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MIC College of Technology
KANCHIKACHERLA, Krishna District

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



SENTIMENT ANALYSIS
&
FAKE-ID DETECTION ON TWITTER DATA

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

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GOPI KIRAN K (15H71A0508)

SIVASANKAR T (15H71A0541)

VIJAY BABU V (15H71A0559)

Under the Esteemed Guidance of
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2018-19



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CERTIFICATE

This is to certify that the project report entitled " SENTIMENT ANALYSIS & FAKE-ID DETECTION ON TWITTER DATA " 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 Ms. Mounika. G (15H71A0521), Mr. Gopi Kiran. K (15H71A0508), Mr. Sivasankar. T (15H71A0541), Mr. Vijay Babu. V (15H71A0559) under my guidance during the academic year 2018-2019 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. Venugopal
(Project Guide)

(Examiner)
Dr. A. Jaya Lakshmi
(Head of the Department)
Dr. Y. SUDHEER BABU
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**Dr. Y. SUDHEER BABU, Ph.D, IITB
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COLLEGE WEBSITE

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

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K. KEERTHANA (15H71A0576)

D. ANUSHA KIRANMAIE (15H71A0563)

V. PHANEENDRA KUMAR (15H71A0590)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "COLLEGE WEBSITE" is a bonafied work carried out by Ms. K.KRISHNA PRASANNA(15H71A0577), Ms. K.KEERTHANA (15H71A0576), Ms. DANUSHA KIRANMAIE(15H71A0563), Mr. V PHANEENDRA KUMAR(15H71A0590) 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 2018-2019. 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.

Project Guide
(Mr. D. Varun Prasad)


Head of the Department
(Dr. A. Jaya Lakshmi)
Principal
(Dr. Y. Sudheer Babu)
Dr. Y. SUDHEER BABU, M.Sc, M.Tech
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Devineni Venkata Ramana & Dr. Hima Sekhar
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



STUDENT ALUMNI

A project submitted to

Jawaharlal Nehru Technological University Kakinada

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

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE & TECHNOLOGY

By

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Bhuvan Chandra S (15H71A0503)

Lohitha J (15H71A0520)

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2018-2019

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This is to certify that the project report entitled "STUDENT ALUMNI" which is bonafide work carried out by P. Bindu Bhargavi (15H71A0504), S. Bhuvan Chandra (15H71A0503), J.Lohitha (15H71A0520), Ch. Sai Krishna (15H71A0534) is purnal 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 2018-2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in the respect of project work prescribed for the degree.

MIC College of Technology

V. Lakshmi Chetana

(Project Guide)

Examiner

Jaya Lakshmi

Dr. A. Jaya Lakshmi

(Head of the Department)



Y. Sudheer Babu

Dr. Y. Sudheer Babu

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



INVIGILATION 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

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B. SARALA (15H71A05A3)

P.N SUPRAJA (15H71A0585)
I. DINESH (15H71A0569)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "INVIGILATION MANAGEMENT SYSTEM" is a bonafied work carried out by Mr. SARADHI D (15H71AB542), Ms. NAGA SUPRAJA. P (15H71AB585), Ms. SARALA. B (15H71AB543), Mr. DIVINESH. I (15H71AB567) 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 2018-2019. 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.

Project Guide
(Mr. B. Kalyan Chakravarthy)

Head of the Department
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



ONLINE PARKING BOOKING 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

Ch. Rajeswari (15H71A0529)
K. Jyothirmai (15H71A0514)

D. Lohitha (15H71A0519)
V. Rohini (15H71A0531)

Under the Esteemed Guidance of

Mr. B Venugopal

Assistant Professor

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2018-19





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MIC College of Technology

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CERTIFICATE

This is to certify that the project report entitled "ONLINE PARKING BOOKING SYSTEM" 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, Ch. Rajeswari (15H71A0529), D. Lohitha (15H71A0519), K. Jyothirmai (15H71A0514), V. Rohini (15H71A0531) under my guidance during the academic year 2018-2019 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. Venu Gopal
(Project Guide)

Dr. A. Jaya Lakshmi
(Head of the Department)

Examiner



Dr. Y. SUDHEER BABU
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Dr. Y. SUDHEER BABU, Ph.D, IITB
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KANCHIKACHERLA, Krishna District



An Intelligent Adaptive Assessment 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

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CH. CHANDRA SEKHAR (15H71A0567)

P. SNEHA (15H71A05A9)

K. SATYA SAI (15H71A05A5)

Under the Guidance of

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Assistant Professor

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

is to certify that the project report entitled "AN INTELLIGENT ADAPTIVE ASSESSMENT STEM" being submitted for the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in Computer Science and Engineering from Jawaharlal Nehru Technological University, Kakunada, is a bonafide work done by Ms. RAMYASRI N (15H71A0593), Mr. CHANDRA KHAR. CH (15H71A0580), Ms. SNEHA. P (15H71A05A9), Mr. SATYA SAI. K(15H71A05A5) under guidance during the academic year 2018-2019 and it has been found suitable for acceptance according to requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

K.M.L.H. 3/3/19
K.Mahanthi
(Project Guide)

Jay
Dr. A. Jaya Lakshmi
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External Examiner

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DOCUMENTATION DIGI LOCKER

A Project Report submitted to

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

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "**DOCUMENTATION DIGI LOCKER**" is a bonafied work carried out by **Ms. N.ROOPA NAGA SRI(15H71A0595), Ms. R.SAI PAVANI (15H71A0596), Ms. B.SWETHA(15H71A05B3), Mr. A.PRAVEEN KUMAR(15H71A0592)** 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 2018-2019. 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.

k.m.h. 7/3/19
Mr. K. Mahanthi
(Project Guide)

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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MIC-LOG

A Project Report submitted to
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in partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

by

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This is to certify that the project work entitled "MS-LOG" is a bonafied work carried out by **Mr. G.VENKATA SUDHARSHAN REDDY (15H71A05B6)**, **Ms. G.YOGITHA YAMINI (15H71A05C0)**, **Mr. CHAYYAPPA (15H71A0565)**, **Mr. G.SHIRDI SAI NADH (15H71A05A6)** 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 2018-2019. 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.

D. Madhavi
Project Guide
(Ms.D.Madhavi)



Jayalakshmi
Head of the Department
(Dr. A. Jayalakshmi)

V.Sudheer Babu
Dr. V.Sudheer Babu
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External Examiner
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Y. Sudheer Babu, M.D. ITB
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



BUS ALLOTMENT ALERT 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
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N. KUSUMA (15H71A0578)
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Y. ARCHANA (15H71A0564)
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This is to certify that the project work entitled "BUS ALLOTMENT ALERT SYSTEM" is a bonafide work carried out by Ms.KUSUMA.N(15H71A0578), Ms.SRI DIVYA.CH(15H71A0548), Ms.ARCHANA.Y(15H71A0564), Mr.MANOJ.V(15H71A0581) 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 2018-2019. 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.

T.Krishnamachari
Project Guide
(T.Krishnamachari)

Jaya Lakshmi
Head of the Department
(Dr. A. Jaya Lakshmi)



Y.S.Babu
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Y.S.Babu
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(Dr. Y. Sudheer Babu)

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



STUDENT ACTIVITIES MANAGEMENT SYSTEM

A Project Report submitted to
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in partial fulfilment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

by

U. Jayanthi (15H71A05D5)

Sk. Salma Tehseen (15H71A05G1)

M. Sai Ram (15H71A05G0)

Y. Sai Rohith (15H71A05F5)

Under the Guidance of
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Assistant Professor

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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This is to certify that the project work entitled "STUDENT ACTIVITIES MANAGEMENT SYSTEM" is a bonified work carried out by Ms. U. Jayanthi (15H71A05DS), Ms. Sk. Salma Tehseen (15H71A05G1), Ms. M. Sai Ram (15H71A05G0), Mr. V. Sai Rohith (15H71A05FS) in partial fulfillment for the award of the degree of Bachelor of Technology in Computer Science and Engineering of Jawaharlal Nehru Technological University, Kakimada during the year 2018-2019. 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.



Project Guide
(Ms. K. Priyanka)



Head of the Department
(Dr. A. Jayalakshmi)

Principal
(Dr. Y. Sudheer Babu)

Dr.Y. SUDHEER BABU, Ph.D, ITP
PRINCIPAL
Devendra Venkata Raghava & Hema Sekhar
MIC College of Technology
KANCHIPURAM, KRISHNA DISTRICT

Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



ON ROAD VEHICLE BREAKDOWN ASSISTANCE FINDER

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

SK. HANEEFA BANU (15H71A0571)

CH. SILPA (15H71A05A7)

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T. MURALI (15H71A0582)

B. VIKRAM (15H71A05B8)

Under the Guidance of

Ms. K. VINAYA SREE BAI

Assistant Professor

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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2018-2019



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "ON ROAD VEHICLE BREAKDOWN ASSISTANCE FINDER" is a bonafide work carried out by Ms. HANEEFA BANU.SK (15H71A0571), Ms. SILPA.CH. (15H71A0547), Mr. SANDEEP.B (15H71A0540), Mr. MURALI.T (15H71A0582), Mr. VIKRAM.LT (15H71A0548) 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 2018-2019. It is certified that all corrections and suggestions indicated for assessment have been incorporated in the report. The project ~~is~~ ~~has~~ ~~been~~ proved as it satisfies ~~the~~ ~~all~~ ~~the~~ requirements in respect of project work prescribed for the above degree.



Y.S. Sudheer Babu
Principal
(Dr. Y. Sudheer Babu)

Dr.Y. SUDHEER BABU, Ph.D, IITM
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Devineni Venkata Ramana & Jitendra Nekhlar
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



SMART WEARABLE: WOMEN SECURITY 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

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B. SAI SWETHA (15H71A0598)
D. SAI SARATH (15H71A0597)

Under the Guidance of

Ms. M.MADHAVI

Assistant Professor

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Devineni Venkata Ramana & Dr. Hima Sekhar

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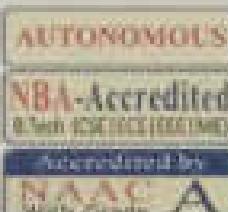
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "SMART WEARABLE: WOMEN SECURITY SYSTEM" is a bonafied work carried out by Ms. CHANDI D (15H71A0566), Ms. SULTHANA SK (15H71A082), Ms. SAI SWETHA. B (15H71A0598), Mr. SAI SARATH. D (15H71A0597) 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 2018-2019. 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.

Project Guide
(Ms. M. Madhavi)



Head of the Department
(Dr. A. Jaya Lakshmi)

Principal
(Dr. Y. Sudheer Babu)

Dr. Y. SUDHEER BABU, Ph.D, IITB
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KANCHIKACHERLA, KURNOL DISTRICT

External Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



ONLINE EVENT MANAGEMENT SYSTEM

A project report submitted to

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

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

By

Saranya Mounika V (15H71A0540)
Jaya Durga K (15H71A0513)

Kavya M (15H71A0516)
Srikanth K (15H71A0549)

Under the Esteemed Guidance of

Mr. U GANESH NAIDU
Assistant Professor

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CERTIFICATE

This is to certify that the project report entitled " **ONLINE EVENT MANAGEMENT SYSTEM** " 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 V. Saranya Mounika (15H71A0540), K. Jaya Durga (15H71A0513), M. Kavya (15H71A0516), K. Srikanth (15H71A0549) under my guidance during the academic year 2018-2019 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.


GUIDE NAME

(Mr. U Ganesh Naidu)

Examiner




Dr. A. Jaya Lakshmi

(Head of the Department)


Dr. Y. SUDHEER BABU

(Principal)

**Dr. Y. SUDHEER BABU, Ph.D, IITB
PRINCIPAL**

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



DATA LINEAGE IN MALICIOUS ENVIRONMENTS

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

Sai Sulochana Siddani(1SH71A05F8)

Sushmasri Bommasani(1SH71A05H2)

Leela Kumari Kuncham(1SH71A05D8)

Venkata Sai Cherukumalli(1SH71A05H5)

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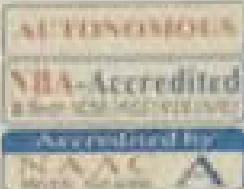
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CERTIFICATE

This is to certify that the project work entitled "DATA LINEAGE IN MALICIOUS ENVIRONMENTS" is a bonafied work carried out by Ms S Sai Sulochana(15H71A05FB), Ms B Sushmasri(15H71A05H2), Ms K Leela Kumari(15H71A05D8), Mr Ch Venkata Sai(15H71A05H5) 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 2018-2019. 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.

Project Guide

(Ms. B. Usha Rani)

Head of the Department

(Dr.A. Jaya Lakshmi)



Principal

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KAKINADA



HOUSE DESIGN PORTAL

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

Poojitha R(15H71A0526)
YSL Bhagavathi (15H71A0560)

Robini Krishna V(15H71A0530)
Naveen A(15H71A0524)

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CERTIFICATE

This is to certify that the project report entitled "**HOUSE DESIGN PORTAL**" 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 Poojitha R(15H71A0526), Rohini Krishna V (15H71A0530), YSL Bhagavathi(15H71A0560), Naveen A(15H71A0524), under my guidance during the academic year 2018-2019 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.

Mr. P. Narasimha Rao
(Project Guide)

Jayalakshmi
Dr. A. Jaya Lakshmi
(Head of the Department)

Examiner



Sudheer Babu
Dr. Y. SUDHEER BABU, Ph.D, IITB
PRINCIPAL

Devineni Venkata Ramana & Dr. Hima Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



ONLINE FEE PAYMENT

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

Submitted by

CH. SRI JYOTHI (15H71A05B0)
M. GAYATRI (15H71A0570)
S. PIANI PRAKASH (15H71A0591)

Under the Guidance of

Mr. T. Krishnamachari
Assistant Professor

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project entitled "ONLINE FEE PAYMENT" is a bonafied work carried out by Ms. SRI JYOTHI CH (15H71A0570), Ms. GAYATHRI M (15H71A0570), Mr. PHANI PRAKASH S (15H71A0591) in partial fulfillment for the award of Bachelor of Technology in Civil Engineering of Jawaharlal Nehru Technological University, Kakarla during the year 2018-2019. It is certified that all components of the project have been incorporated in the report. The project report has been approved and satisfies the academic requirements in respect of originality and presentation.

T. Krishnamachari
Project Guide
(Mr. T. Krishnamachari)



Jay
Head of the Department
(Dr. A. Jayalakshmi)

Principal

(Dr. Y. Sudheer Babu)

**Dr Y. SUDHEER BASU, Ph.D, IITM
PRINCIPAL**

Deborah Mehta (Lecturer) & Dr. Mungeshwar
MIT, College of Technology,
KANCHIPURAM-Krishna Distric



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



"A SENSOR FUSION APPROACH FOR DROWSINESS DETECTION
USING OPTICAL DETECTION TECHNIQUE"

A project report submitted to

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

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE & ENGINEERING

By

JAYA SREE GUNDAPU (15H71A0573)

Under the Guidance of

Mr. T. KRISHNAMACHARI
Assistant Professor

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Devineni Venkata Ramana & Dr. Hima Sekhar
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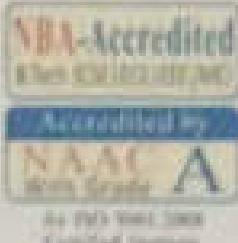
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**A SENSOR FUSION APPROACH FOR DROWSINESS DETECTION USING OPTICAL DETECTION TECHNIQUE**" being submitted for the partial fulfillment of the requirements for the award of the degree as Bachelor of Technology in Computer Science and Engineering from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by **Ms. JAYA SREE GUNDAPU (15H71A0573)** under my guidance during the academic year 2018-2019 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.

(T. Krishnamachari)
Project Guide

(Dr. A. Jaya Lakshmi)
Head of the Department

External Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



SPEED & ACCURACY FOR MODERN OBJECT DETECTORS

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

MD. SANA TASLEEM SHAIK (15H71A05H8) R. NAVYA (15H71AOSE3)
K.S. KRISHNA (15H71A05G3) P. LAKSHMI PRIYANKA (15H71A05D7)

Under the Guidance of
Mr. P. SRIKANTH

Assistant Professor

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CERTIFICATE

This is to certify that the project work entitled "SPEED/ACCURACY FOR MODERN OBJECT DETECTORS" is a bonafied work carried out by Ms. SANA TASLEEM SHAIK, MD (15H71AO5H8), Mr. NAVYA, B (15H71AO5E3), Mr. K. SANKARA KRISHNA (15H71AO5G3), Ms. LAKSHMI PRIYANKA, P (15H71AO5D7) 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 2018-2019. 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.

Project Guide
(Mr. P. Srikanth)

Head of the Department
(Dr. A. Jaya Lakshmi)



Principal

(Dr. Y. Sudheer Babu)
PROVOST
MIC College of Technology
KANCHANACHIRLA

Author

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



**DEVELOPMENT OF AN INSTITUTIONAL APP USING
ANDROID STUDIO**

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

THANUJA.N (15H71A0551)
HARITHA.M (15H71A0511)

VENKATA HARIKA.B (15H71A0551)
SRI HARSHA.T (15H71A0546)

Under the Esteemed Guidance of
Mr. J. RANGA RAJESH
ASSISTANT PROFESSOR

Department of Computer Science & Engineering

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MIC College of Technology

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

2018-19





Devineni Venkata Ramana & Dr Hima Sekhar
MIC College of Technology

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CERTIFICATE

This is to certify that the project report entitled " DEVELOPMENT OF AN INSTITUTIONAL APP USING ANDROID STUDIO " 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 THANUJA.N (15H71A0551), VENKATA HARIKA.B (15H71A0552), HARITHA.M (15H71A0511), SRI HARSHA.T (15H71A0546) under my guidance during the academic year 2015-2016 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.

GUIDE NAME
(Mr. J. RANGA RAJESH)

Examiner

Dr. A. JAYA LAKSHMI
(Head of the Department)



Dr. Y. SUDHEER BABU
(Principal)

Dr. Y. SUDHEER BABU, Ph.D, IITW
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ANCHIKACHERLA, Krishna District

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



NSS WEB PORTAL

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. SAI SOWMYA (15H71A05F7) P. ASA DEEPTHI (15H71A05C4)
B. PHANINDRA (15H71A05E5) P. RAKESH (15H71A05F1)

Under the Guidance of

Mr. D. PRASAD

Associate Professor

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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CERTIFICATE

This is to certify that the project work entitled "NSS WEB PORTAL" is a bonafide work carried out by Ms. SAI SOWMYA.S (15H71A05F7), Ms. ASA DEEPTHI.P (15H71A05C4), Mr. PHANINDRA.B (15H71A05ES), Mr. RAKESH.P (15H71A05F1) 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 2018-2019. 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.

Project Guide

(Mr. D Prasad)



Head of the Department
(Dr. A Jayalakshmi)

Principal

(Dr. Y Sudheer Babu)

Y. SUDHEER BABU & DR. HEMA SEKHAR
MIC College of Technology
KANDIKA ACHERLA

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



ATTENDANCE MANAGEMENT SYSTEM

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

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE & ENGINEERING

By

R L PRAVALLIKA V (1SH71A0528) SRI LAKSHMI J (1SH71A0547)

HALEEMA SULTHANA (1SH71A0510) S S KOTESWARA PRASAD D (1SH71A0533)

Under the Esteemed Guidance of
Ms. NV MAHA LAKSHMI
Assistant Professor

Department of Computer Science & Engineering



Devineni Venkata Ramana & Dr Hima Sekhar
MIC College of Technology

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Kanchikacherla - 521180, Krishna Dist. A.P.



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Devineni Venkata Ramana & Dr. Himaja Sekhar

MIC College of Technology

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CERTIFICATE

Certified that the project work entitled "Attendance Management System" is a bonafied work carried out by Ms. R. L. PRAVALLIKA(ISH71A0528), Ms. SRI LAKSHMI (ISH71A0547), Ms. HALEEMA SULTHANA (ISH71A0510), Mr. S. S. KOTESWARA PRASAD.D(ISH71A0533) 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 2018-2019. It is certified that all corrections/ suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above degree.



Ms. N. V. Mahalakshmi
(Project Guide)

(Examiner)

Dr. A. Jayalakshmi

(Head of the Department)



Dr. Y. SUDHEER BABU

(Principal)

Dr. Y. SUDHEER BABU, Ph.D, IITB
PRINCIPAL

Devineni Venkata Ramana & Dr. Himaja Sekhar
MIC College of Technology
KANCHIKACHERLA, Krishna District

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



A COMPARITIVE STUDY ON HEART DISEASE DATA ANALYSIS USING
K-NEAREST NEIGHBOR AND DECISION TREE ALGORITHMS

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

KKAVYASREE (15H71A0517)

A.VENKATA SIRI (15H71A0557)

V.DEVAHARSHA (15H71A0505)

CH.NAVYALATHA (15H71A0525)

SK ABDUL RAHEEM (15H71A0501)

Under the Esteemed Guidance of

Mr. J Ranga Rajesh
Assistant Professor

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CERTIFICATE

This is to certify that the project report entitled "**A COMPARITIVE STUDY ON HEART DISEASE DATA ANALYSIS USING K-NEAREST NEIGHBOR AND DECISION TREE ALGORITHMS**" 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 **K.KAVYASREE (15H71A0517), A.VENKATA SIRI (15H71A0557), V.DEVAHARSHA (15H71A0505), CH.NAVYALATHA (15H71A0525), SK.ABDUL RAHEEM(15H71A0501)** under my guidance during the academic year 2018-2019 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. Ranga Rajesh
(Project Guide)



Dr. A. Jaya Lakshmi
(Head of the Department)

Examiner

Dr. Y. SUDHEER BABU
Dr. Y. SUDHEER BABU M.Tech, Ph.D, M.Tech

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KANCHIKACHERLA, KRISHNA DISTRICT

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KAKINADA



FINGERPRINT BASED ATM 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

K.VINISHA REDDY(15H71A05B9)
V.KUMAR AMRIT (15H71A0574)

V.SRUTHI(15H71A05B2)
P.RANA PRATAP(15H71A0594)

Under the Guidance of

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Assistant Professor

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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This is to certify that the project work entitled "FINGERPRINT BASED ATM SYSTEM" is a bonafide work carried out by Ms. K.VINISHA REDDY (15H71A0589), Ms. V.SRUTHI (15H71A0582), Mr. V.KUMAR AMRIT (15H71A0574), Mr. P.RANA PRATAP (15H71A0594) in partial fulfillment for the award of the degree of Bachelor of Technology in Computer Science and Engineering of Jawaharlal Nehru Technological University, Kakimedu during the year 2018-2019. 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.

B. Kelvin

Mr. B. Kalyan Chakravarthy
(Project Guide)

Y. Sudheer Babu

Dr. Y. Sudheer Babu
(Principal)
Dr. Y. SUDHEER BABU, Ph.D., M.Tech.
PRINCIPAL
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MIC College of Technology
KANCHIKACHERLA, Krishna District



Jaya

Dr. A. Jaya Lakshmi
(Head of the Department)

External Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



CRIME PATTERN ANALYSIS USING K-MEANS

A project 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 & ENGINEERING

By

V. P. M. PRIYANKA (15H71A05E4) R. SRILEKHA (15H71A05H0)
M. ANAND AKHIL (15H71A05C1)

Under the Esteemed Guidance of

Mr. J. V. Srinivas

Assistant Professor

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2018-2019



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This is to certify that the project entitled "CRIME PATTERN ANALYSIS USING K-MEANS" is a bonafide work carried out by Ms. V. P.M. Priyanka (15H71A05E4), Ms. B. Srilekha (15H71A05H0), Mr. M. Anand Akhil (15H71A05C1) in partial fulfillment for the award of the degree of Bachelor of Technology in Computer Science and Engineering from Jawaharlal Nehru Technological University, Kakinada during 2018-2019. It is certified that all the correction/suggestions indicated for internal assessment suggestion have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in the respect of project work prescribed for the above degree.



Project Guide

(Mr. J. V. Srinivas)

Head of the Department

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Author

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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HAND GESTURE RECOGNITION TECHNIQUE FOR HCI

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

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CERTIFICATE

This is to certify that the project work entitled "HAND GESTURE RECOGNITION TECHNIQUE FOR HCI" is a bonafied work carried out by Ms. SIMRANSK (15H71A05G5), Mr. MANI SREEHARSHA.Y (15H71A05E1), Ms. SREE RAMADEVLB (15H71A05G7), Mr. VENKATA RATNAMB (15H71A05H4), Ms. SAI NIKETHA.M (14H71A0544) 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 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.

Ramya 20/12/19

Mr. P.SRIKANTH

(Project Guide)

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Dr. A. JAYALAKSHMI

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Y Sudheer Babu

Dr. Y SUDHEER BABU
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ANNA UNIVERSITY

Examiner's Seal

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

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**CHRONIC KIDNEY DISEASE PREDICTION USING
CLASSIFICATION**

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

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M. Preethi(15H71A05E9)

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CERTIFICATE

This is to certify that the project work entitled "CHRONIC KIDNEY DISEASE PREDICTION USING CLASSIFICATION" is a bonafied work carried out by Ms. R. Prasanthi(15H71A05E7), Mr. B. Rajesh(15H71A05F0), Ms. B. Anusha (15H71A05C3), Ms. M. Preethi (15H71A05E9), Mr. D. Chandrasekhar(15H71A05C7) 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 2018-2019. 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.

R. Selvam
Project Guide
(Mr. N Srihari)



Jay
Head of the Department
(Dr. A. Jayalakshmi)

Y. Sudheer Babu
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E. Sudheer Babu

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



PLACEMENT CELL AUTOMATION

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

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

by

SATYA, M (15H71A05A4)
NAVA KUMAR, T (15H71A0587)
VIJAYA SAL CH (15H71A05B7)
NARENDRA KUMAR, K (15H71A0586)

Under the Guidance of

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "**PLACEMENT CELL AUTOMATION**" 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 Ms. SATYA. M (15H71A05A4), Mr. NAVA KUMAR. T (15H71A0587), Mr. VIJAYA SAL CH (15H71A05B7), Mr. NARENDRA KUMAR. K (15H71A0586) under my guidance during the academic year 2015-2016 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.

50/03/15

Project Guide
(Mr. SK. Akbar)



Head of the Department
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External Examiner

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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**VEHICLE IDENTIFICATION USING NUMBER PLATE
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

B.SAI BHAVANI (15H71A05F3)

P. JAYASARIKA (15H71A05D4)

N.SAI SUNEETHA (15H71A05F9)

K. AVINASH (15H71A05C5)

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This is to certify that the project work entitled "VEHICLE IDENTIFICATION USING NUMBER PLATE DETECTION" is a bonafied work carried out by Ms. SAI BHAVANLB (15H71A05F3), Ms. JAYASARIKA.P (15H71A05D4), Ms. SAI SUNEETHA.N (15H71A05F9), Mr. AVINASH.K (15H71A05C5) 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 2018-2019. 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.

Project Guide

(Ms. L. Kanya Kumari)

Head of the Department

(Dr. A. Jaya Lakshmi)



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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



FAKE PRODUCT REVIEW MONITORING AND REMOVAL FOR
GENUINE ONLINE PRODUCT REVIEWS

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

Submitted by

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "FAKE PRODUCT REVIEW MONITORING AND REMOVAL FOR GENUINE ONLINE PRODUCT REVIEWS" is a bonafide work carried out by Ms. CH. DEVASRI (15H7IA0558), Ms. CH. HARI CHANDANA (15H7IA0572), Ms. R. RAJALPANA (15H7IA0575), Ms. M. NAGA KEERTHI (15H7IA0583) 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 2018-2019. It is certified that all corrections and suggestions indicated for improvement 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. Ch. Srikrishna)



Head of the Department
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Dr. Y. SUDHEER BABU
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President - Dr. Hima Sekhar
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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E-LEARNING WEB APPLICATION

A project 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 & ENGINEERING

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M. Prabhavathi(15H71A05E6)

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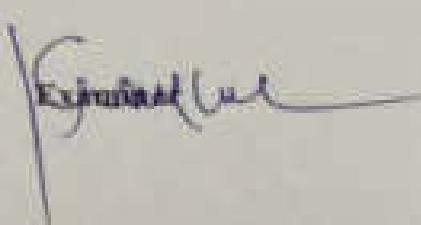

Dr. A. Rama Satish
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
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VENUE BOOKING FOR COLLEGE EVENTS

A Project Report submitted to
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in partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

by

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Under the Guidance of

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2018-2019





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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This is to certify that the project work entitled "VENUE BOOKING FOR COLLEGE EVENTS" is a bonafied work carried out by Ms. SANTHOSHI. P (15H71A05A1), Mr. LAKSHMI VENKATA SARATH. R (15H71A0580), Ms. AKSHITHA. K (15H71A0561), Mr. VAMSI. I (15H71A05B4) 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 2018-2019. 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.

Project Guide
(Mr. SK. Akbar)

30/03/19

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Devineni Venkata Ramana & Hima Sekhar
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External Examiner



DEPARTMENT OF COMPUTER APPLICATIONS

A.Y:2018-19

List of Major Projects

S.No.	Regd No	Students Name	Project Title	Internal Guide
1	16H71F0001	Anusha Dunnna	A Comparative Study On Smart Health Prediction System Using Data Mining	Ms.A.Anuradha
2	16H71F0002	Himaja Simhadri	Sentimental Analysis Of Twitter Data Using Nlp And Machine Learning Techniques	Dr.A.Rama Satish
3	16H71F0003	Mounika Patibandla	Recommendation Framework For Sentimental Analysis Using L-Injection	Dr.G.Kalyani
4	16H71F0004	Naveen Doddi	Credit Card Deceit Detection Using Random Forest Algorithm	Mr.D.Varun Prasad
5	16H71F0005	Pravallika Potluri	Detection Of Fake News Using Naïve Base Classifier	Ms.V.SriLakshmi
6	16H71F0006	Shaik Shakir Pasha	Prediction Of Heart Disease Using Data Mining	Mr.J.RangaRajesh
7	16H71F0007	Sirisha Mekala	Discovery Of Ranking Fraud For Mobile Apps	Mr.D.Prasad
8	16H71F0008	Sushmitha Arya	Breast Cancer Detection Using Machine Learning Techniques	Mr.N.Srihari
9	16H71F0009	Trisuna Eeda	Intrusion Detection System Using Support Vector Machine,Random Forest And	Mr.B.Ajay Kumar

			Extreme Learning Machine Based On Performance	
10	16H71F0010	Vanaja Annapureddy	Behaviour-Based Collective Classification In Sparsely Labeled Network	Ms.S.Lavanya
11	16H71F0011	Varshini Nandivada	Estimation Of Road Accidents Using Machine Learning Techniques	Mr.P.Narsimha Rao
12	16H71F0012	Venu Ponduri	Significant Permission Identification For Machine Learning Based Android Malware Detection	Mr.Ch.Vinodh Kumar
13	16H71F0013	Vijaya Bhaskar Reddy Pingala	Url Phishing Analysis Using Random Forest And Support Vector Machine Algorithms	Ms.M.Madhavi

Jayel
Head of the Department

(Dr. A.Jaya Lakshmi)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

KAKINADA



Smart Health Prediction System Using Data Mining

Submitted to

Jawaharlal Nehru Technological University, Kakinada

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

MASTER OF COMPUTER APPLICATIONS

Submitted by

DUNNA ANUSHA

(16H71F0001)

Under the Esteemed Guidance of

Ms.A.Anuradha

Assistant Professor

Department of Computer Applications



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2018-19



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CERTIFICATE

This is to certify that the project report entitled "**SMART HEALTH PREDICTION SYSTEM USING DATA MINING**" 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 bonafide work done by **D.ANUSHA (16H71F0001)** under my guidance during the academic year 2018-2019 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. A. Anuradha
(Project Guide)

Dr. A. Jaya Lakshmi
(Head of the Department)

Examiner

Dr. V. SUDHEER BABU



(Principal)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



**Recommendation Framework for Sentimental Analysis
Using I-injection**

Submitted to

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

MASTER OF COMPUTER APPLICATIONS

Submitted by

MOUNIKA PATIBANDLA
(16H71F0005)

Under the Esteemed Guidance of

Dr .G. Kalyani
Professor

Department of Computer Applications

Devineni Venkata Ramana & Dr Hima Sekhar

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2018-19





Devineni Venkata Ramana & Dr Hima Sekhar
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CERTIFICATE

This is to certify that the project report entitled "Recommendation Framework for Sentimental Analysis Using L-injection" being submitted for the partial fulfillment of the requirements for the award of the degree **Master of Computer Applications** in from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by **P.MOUNIKA (16II71F0005)** under my guidance during the academic year 2018-2019 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.

G. Kalyani
Dr. G. Kalyani
(Project Guide)



Jaya
Dr. A. Jaya Lakshmi
(Head of the Department)

Examiner

Dr. Y. BUDDE SHRINEERA BABU
Devineni Venkata Ramana & Dr Hima Sekhar
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



Credit Card Deceit Detection Using Random Forest Algorithm

Submitted to

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

MASTER OF COMPUTER APPLICATIONS

Submitted

by

DODDI NAVEEN
(16H71F0007)

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MIC College of Technology

Accredited by NBA, IEEE/IEE/CSEECE & NAAC with 'A' Grade
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CERTIFICATE

This is to certify that the project report entitled "**Credit Card Deceit Detection using Random Forest Algorithm**" being submitted for the partial fulfillment of the requirements for the award of the degree **Master of Computer Applications** in from **Jawaharlal Nehru Technological University, Kakinada**, is a bonafide work done by **D. NAVEEN (16M71P0007)** under my guidance during the academic year 2018-2019 and it has been found suitable for acceptance according to the requirement of the university. This work is not submitted to any other institution or university for the award of any degree.


Dr. D. Varun Prasad

(Project Guide)


Dr. A. Jayd Lakshmi

(Head of the Department)


Examiner




Dr. Y. SUDHEER BABU


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA



DETECTION OF FAKE NEWS USING NAIVE BAYES CLASSIFIER

Submitted to

Jawaharlal Nehru Technological University, Kakinada.

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

MASTER OF COMPUTER APPLICATIONS

Submitted by

Poturi Pravallika

(16H71F0008)



Under the Guidance of

MS. V. SRI LAKSHMI

Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS



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CERTIFICATE

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KAKINADA



Prediction of Heart Disease Using Data Mining

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

SK SHAKIR PASHA
(16H71F0012)

Under the Esteemed Guidance of

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CERTIFICATE

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J. Ranga Rajesh
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DISCOVERY OF RANKING FRAUD FOR MOBILE APPS

Submitted to

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

MASTER OF COMPUTER APPLICATIONS

Submitted by

**MEKALA SIRISHA
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**Mr .D.Prasad
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CERTIFICATE

This is to certify that the project report entitled "**DISCOVERY OF RANKING FROUD FOR MOBILE APPS**" being submitted for the partial fulfillment of the requirements for the award of the degree **Master of Computer Applications** in from **Jawaharlal Nehru Technological University, Kakinada**, is a bonafide work done by **MLSIRISHA(16H71F0013)** under my guidance during the academic year 2018-2019 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. Prasad

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KAKINADA



**BREAST CANCER DETECTION USING MACHINE LEARNING
TECHNIQUES**

A project report Submitted to the
Jawaharlal Nehru Technological University, Kakinada
In partial fulfillment of the requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

Submitted By

SUSHMITHA ARYA
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CERTIFICATE

This is to certify that the project report entitled "**Breast Cancer Detection using Machine Learning Techniques**" 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 bonafide work done by **SUSHIMITHA ARYA (16H71F0014)**, under my guidance during the academic year 2018-2019 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.Sri Hari
(Project Guide)



Dr. A. Jaya Lakshmi
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KAKINADA



**INTRUSION DETECTION SYSTEM USING SUPPORT VECTOR
MACHINE, RANDOM FOREST AND EXTREME LEARNING
MACHINE BASED ON PERFORMANCE**

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

E. TRISUNA

(16H71F0016)

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CERTIFICATE

This is to certify that the project report entitled "**INTRUSION DETECTION SYSTEM USING SUPPORT VECTOR MACHINE ,RANDOM FOREST AND EXTREME LEARNING MACHINE BASED ON PERFORMANCE**" 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 bonafide work done by **E.TRISUNA(16H71F0016)** under my guidance during the academic year 2018-2019 and it has been found suitable for acceptance according to the requirement of the award of any degree e university. This work is not submitted to any other institution or university the award of any degree.


Mr. E. Ajay Kumar
(Project Guide)




Dr. A. Jaya Lakshmi
(Head of the Department)


Examiner


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KAKINADA



BEHAVIOUR BASED COLLECTIVE CLASSIFICATION
IN SPARSELY LABELED NETWORK

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

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(16H71F0017)

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Accredited by NBA, IEEE, MEC, SULECE & NAAC with 'A' Grade
Kanchikacherla - 521189, Krishna Dist, A.P.



CERTIFICATE

This is to certify that the project report entitled "**Behaviour-Based Collective Classification in Sparsely Labelled Network**" being submitted for the partial fulfilment of the requirements for the award of the degree in **MASTER OF COMPUTER APPLICATIONS** from Jawaharlal Nehru Technological University, Kakinada, is a bonafide work done by **A.VANAJA(16M71F0017)** under my guidance during the academic year 2018-2019 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
Ms.S.Lavanya
(Project guide)

Kale
Examiner



Jay
Dr. A. Jayashree Lakshmi
(Head of the Department)

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KANCHIKACHERLA, KRISHNA DISTRICT

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KAKINADA



**Significant Permission Identification for Machine Learning Based Android
Malware Detection**

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

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CERTIFICATE

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