

**ANALYSIS AND DESIGN OF (G+3) BUILDING USING
STAAD PRO V8I WITH COMPARISON TO
MANUAL.**

**BACHELOR OF TECHNOLOGY
IN
CIVIL ENGINEERING**

Submitted by

K. Manikanta	(18U45A0144)
B. Tharuna Sai Sri	(18U45A0102)
P. Dilip Kumar	(18U45A0107)
M. Sai Kumar	(18U45A0148)
B. Pavan Kondala Rao	(17U41A0108)

Under the Esteemed Guidance of

Er. N. Ramu B.Tech. M.Tech. AMIE.

(Licensed civil engineer approved by GVMC)

Assistant professor and

HOD of Civil Engineering



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
**(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU,
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Certified Institution NH-5, Anakapalle-531002, Visakhapatnam, A.P.
(2020-2021)



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NH-5, Anakapalle-531002, Visakhapatnam, A.P.

CERTIFICATE

This is to certify that the Project work entitled "Analysis and design of (G+3) building using staad pro v8i comparison to manual. is a Bonafide work done by K.Mamkanta (18U45A0144) B.Tharuna sai street(18U45A0102) P.Dilipkumar(18U45A0107) M. Sai Kumar (18U45A0148) B. Pavan Kondala Rao (17U45A0108) in partial fulfillment of the curriculum of Bachelor Of Technology In Civil Engineering During the academic year 2020- 2021.


PROJECT GUIDE

Er. N. Ramu B. Tech ,M. Tech,

AMIE.

Head of the Department

Department of Civil Engineering


HEAD OF THE DEPARTMENT

Er.N. Ramu, M.Tech,

Head of the Department

Department of Civil Engineering

Head of the Department
Department of Civil Engineering
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Visakhapatnam, A.P.


EXTERNAL EXAMINER

AN EXPERIMENTAL INVESTIGATION TO STUDY THE BEHAVIOUR OF CONCRETE USING PLASTIC WASTE AS THE PARTIAL REPLACEMENT OF FINE AGGREGATE

This project is submitted to the JNTU Kakinada with fulfillment of the requirement

For the degree of **B.Tech**

In

CIVIL ENGINEERING

Submitted by

B VIJAYA KUMAR

(17U41A0101)

M GANESH

(18U45A0106)

J DURGA DEVI

(18U45A0110)

D SRAVANTHI

(18U45A0114)

P MANIKANTA SHYAM

(18U45A0149)

Under esteemed guidance of

Mr. O. SURESH M. Tech, (Ph. D), AMIE
Assistant professor, DEPT. OF CIVIL ENGINEERING



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NH - 16, ANAKAPALLE - 531002, Visakhapatnam, Andhra State.)

www.diet.edu.in

(2017 - 2021)

CERTIFICATE



This is to certify that the project work entitled **An Experimental Investigation To Study The Behaviour Of Concrete Using Plastic Waste As The Partial Replacement Of Fine Aggregate**. That is being submitted by **B VIJAYA KUMAR (17U41A0101)**, **M GANESH (18U45A0106)**, **J DURGA DEVI (18U45A0110)**, **D SRAVANTHI (18U45A0114)**, **P MANIKANTA SHYAM (18U45A0149)**, for the fulfilment of the requirements for the award of degree in **CIVIL ENGINEERING** to JNTU Kakinada is a record of **BONDIFIED** work carried out by him under my guidance supervision

O. Suresh

O.SURESH M.tech,(Ph.D)

AMIE, C.Engg, Asst. Professor
Department of CIVIL Engineering
DIET, Anakapalle.

Project guide

N. Ramu
Mr. N. Ramu M.Tech

HOD of Civil Engineering
Head of the Department
Civil Engineering
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Anaparthi - 521 007

Prof. K. V. S. G. Murali Krishna
EXTERNAL EXAMINAR

**AN EXPERIMENTAL INVESTIGATION ON LIGHT
WEIGHT REINFORCED CONCRETE ELEMENTS BY
USING POLYPROPYLENE MATERIAL**

*A Project Report submitted in partial fulfillment of the requirements for the
award of the Degree of*
BACHELOR OF TECHNOLOGY

In

CIVIL ENGINEERING

Submitted by

CH.DURGAPRASAD	17U45A0107
P.SAIKUMAR	16U41A0110
G.PYDI RAJESH	16U41A0104
S.JAGADEESH	17U45A0151
P.RAJ MAHESH	16U41A0114

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2016 - 2020



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NH-16, Anakapalle-531002, Visakhapatnam, A.P

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This is to certify that the Project work entitled "**AN EXPERIMENTAL INVESTIGATION ON REINFORCED CONCRETE ELEMENTS BY USING POLYPROPYLENE MATERIAL**" is a being submitted by P.SAIKUMAR (16U41A0110),CH.DURGAPRASAD(17U45A0107),G.PYDIRAJESH(16U41A0104),S.JAGADEESH(17U45A0151),P.RAJMAHESH (16U41A0114)in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING during the academic year 2019-20.

Mr.K.APPALA NAIDU
(ASSITANT PROFESSOR)
(PROJECT GUIDE)

Dr.CH.KANNAM NAIDU
(PROFESSOR)
(HEAD OF THE DEPARTMENT)

Prof. K. V. S. G. Murali Krishna

EXTERNAL EXAMINER

**IMPROVING THE PROPERTIES OF ASPHALT
CONCRETE BY ADDITION OF PLASTIC WASTE AND
CRUMB RUBBER**

*A Report submitted in partial fulfilment of the requirements for the
award of the Degree of*

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

Submitted by

V. BHASKAR	16U41A0113
B. NAVEENA LAKSHMI	17U45A0104
M. NAVEEN	17U45A0134
M. SANTHOSH	17U45A0128
S. SIRISHA	16U41A0115

Under the Esteemed Guidance of

M. R. V. S. G. GUPTHA

Assistant Professor, Department of Civil Engineering



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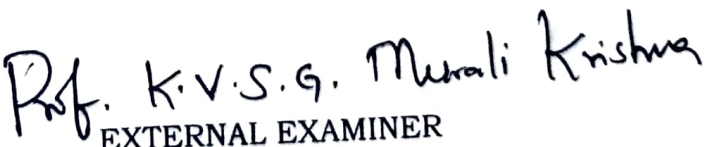


CERTIFICATE

This is to certify that the Project work entitled **“IMPROVING THE PROPERTIES OF ASPHALT CONCRETE BY ADDITION OF PLASTIC WASTE AND CRUMB RUBBER”** is an authentic work submitted by B. NAVEENA LAKSHMI (17U45A0104), M. NAVEEN (17U45A0134), M. SANTOSH (17U45A0128), S. SIRISHA (16U41A0115), V. BHASKAR (16U41A0113) in partial fulfilment of the requirement for the award of the degree of Bachelor Of Technology in Civil Engineering from Diet College Of Engineering during the academic year 2019-2020.


Mr. M. R. V. S. G. GUPTHA, M. Tech
(ASSISTANT PROFESSOR)
(PROJECT GUIDE)

Dr CH. KANNAM NAIDU
(PROFESSOR)
(HEAD OF THE DEPARTMENT)


Prof. K.V.S.G. Murali Krishna
EXTERNAL EXAMINER

**COMPARATIVE STUDY OF RC STRUCTURES USING
SEA SAND & REINFORCEMENT COVERED BY
PLASTIC TUBES
(MODERN CONCRETE)**

*A Project Report submitted in partial fulfillment of the requirements
for the award of the Degree of*

**BACHELOR OF TECHNOLOGY
in**

CIVIL ENGINEERING

Submitted by

S.VENKATESH	-	(17U45A0145)
P.BALA SAI	-	(17U45A0136)
B.SIVA VENKATA SAI	-	(17U45A0106)
M.PRAVEEN KUMAR	-	(17U45A0132)
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Under the guidance of

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NH-16, Anakapalle - 531002, Visakhapatnam, A.P.

CERTIFICATE

This is to certify that the Project work entitled "**COMPARATIVE STUDY OF RC BEAMS USING SEA SAND & REINFORCEMENT COVERED BY PLASTIC TUBES**" is a Bonafede work done by S. VENKATESH (17U45A0145), P. BALA SAI(17U45A0136), B. SIVA VENKATA SAI(17U45A0106), M. PRAVEEN KUMAR(17U45A0132), M. BHANU PRASAD(17U45A0133), in partial fulfilment of the curriculum of **Bachelor of Technology In Civil Engineering** During the academic year 2019-2020.


PROJECT GUIDE

Mr. P. LAKSHMINARAYANA, M.Tech, IAENG

Assistant Professor

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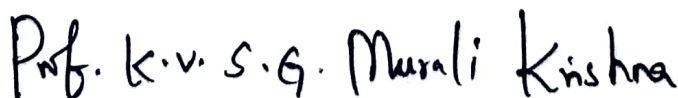


HEAD OF THE DEPARTMENT

Dr Ch. Kannam Naidu, M.Tech, PhD.

Professor

Department of Civil Engineering


EXTERNAL EXAMINER

**AN EXPERIMENTAL STUDY ON STRENGTH
CHARACTERISTICS OF CONCRETE BY PARTIAL
REPLACEMENT OF CEMENT WITH GGBS AND FINE
AGGREGATE WITH COPPER SLAG**

A Project Report submitted in partial fulfilment of the requirements for the

Award of the Degree of

BACHELOR OF TECHNOLOGY

In

CIVIL ENGINEERING

Submitted by

B.MEGHANA	(18U45A0103)
B.RAMU	(18U45A0138)
G.ROHITH	(18U45A0150)
A.VENKATESH	(18U45A0115)
V.R.S.MADHURI	(17U41A0103)

Under the Esteemed Guidance of

Mr.K.APPALA NAIDU M.Tech

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NH-16, Anakapalle-531002, Visakhapatnam, A.P. 2017-2021

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NH-16, Anakapalle-531032, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the project work entitled "**AN EXPERIMENTAL STUDY ON STRENGTH CHARACTERISTICS OF CONCRETE BY PARTIAL REPLACEMENT OF CEMENT WITH GGBS AND FINE AGGREGATE WITHCOPPER SLAG**" is a record of work carried out by B.MEGHANA(18U45A0103),B.RAMU(18U45A0138),G.ROHITH(18U45A0150),A.VENKATESH (18U45A0115), V.R.S.MADHURI(17U41A0103) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING during the academic year 2020-21



Mr.K.APPALA NAIDU
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Sri.N.RAMU
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Head of the Department
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Prof KVS G Murali Krishna
EXTERNAL EXAMINE

EXPERIMENTAL STUDY ON REACTIVE POWDER CONCRETE

A project report submitted in partial fulfillment of the
Requirements for the award of the Degree of

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING



DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Permanently Affiliated to JNTU KAKINADA & NAAC Accredited Institute)

Presented By

K.ROOP CHANDU	18U45A0119
B.RAMESH	18U45A0109
P.KUMAR	18U45A0143
K.RAMIYA	18U45A0105
G.S.NAIDU	16U41A0105

Under the Esteemed Guidance of

Mr. B. SUDHEER KUMAR, M Tech, MISTE

Assistant Professor, Department of CIVIL

CERTIFICATE



This is to certify that the project report entitled, "AN EXPERIMENTAL STUDY ON REACTIVE POWDER CONCRETE" is being submitted by K. ROOP CHANDU(18U45A0119), B. RAMESH (18U45A0109), P. KUMAR(18U45A0143), K. RAMYA(18U45A0105), G.S. NAIDU(16U45A0105). In partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING during the academic year 2020-2021.

B. S. S. S.

Mr. B. SUDHEER KUMAR, M Tech, MISTE
Assistant Professor,
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PROJECT GUIDE

M. N. R. R. R.

Mr. N. Raimi, M Tech
HEAD OF CIVIL DEPARTMENT
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Prof. Murali Krishna
EXTERNAL EXAMINER

EXPERIMENTAL STUDY ON BEAD RUBBER CEMENT CONCRETE (BRCC)

This project is submitted to the JNTU Kakinada with fulfillment of the requirement

For the degree of **B.Tech**

In

CIVIL ENGINEERING

Submitted by

K MOHAN	(18U45A0126)
V PRASANNA SAI	(18U45A0108)
B CHAKRAVARTHY	(18U45A0141)
P SOMESH	(18U45A0123)
M SAI	(18U45A0145)
P DIVYA	(18U45A0132)

Under esteemed guidance of
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NH - 16, ANAKAPALLE - 531002, Visakhapatnam, Andhra State.)

This is to certify that the project work entitled **Experimental study on Bead Rubber Cement Concrete (BRCC)**. That is being submitted by **K MOHAN (18U45A0126), V PRASANNA SAI (18U45A0108), B CHAKRAVARTHY (18U45A0141), P SOMESH (18U45A0123), M SAI (18U45A0145), P DIVYA (18U45A0132)**, for the fulfillment of the requirements for the award of degree in **CIVIL ENGINEERING** to JNTU Kakinada is a record of **BONDIFIED** work carried out by him under my guidance supervision

Mr. M RVSG Gupta M. Tech
Assistant professor
DEPT. of civil engineering
Project guide

Mr. N. Ramu M. Tech
HOD OF CIVIL ENGINEERING
Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech
Anakapalle - 531 002

PROF. KVSG MURALI KRISHNA
EXTERNAL EXAMINAR

**A PROJECT REPORT
ON**

**A CASE STUDY ON REPAIR AND REHABILITATION OF
CRACKS IN STRUCTURES**

Submitted To "JNTU-KAKINADA " For Fulfillment of Requirements
For the award of Degree of
BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

B PRAHARSHITHA	-	18U45A0101	-
N TEJA	-	18U45A0125	-
P RAKESH	-	18U45A0121	-
N SAI MANIKANTA	-	18U45A0133	-
M SRINU	-	18U45A0129	-

Under the guidance of

M.KEDHARESWARI M. Tech



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

Department of Civil Engineering

**Affiliated to JNTU-Kakinada, Approved by AICTE, New Delhi
Visakhapatnam, Andhra Pradesh, INDIA**



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Affiliated to JNTU-Kakinada, Approved by AICTE, New Delhi
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This is to certify that the project work entitled, “A CASE STUDY ON REPAIR AND REHABILITATION OF CRACKS IN STRUCTURES” submitted by B.PRAHARSHITHA (18U45A0101), N.TEJA (18U45A0125), P.RAKESH (18U45A0121), N.SAI MANIKANTA (18U45A0133), M.SRINU (18U45A0129) in partial fulfilment of the requirements for the award of Bachelor of Technology Degree in “Civil Engineering” to JNTU Kakinada is a record of BONDIFIED work carried out by him under my guidance supervision.

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Project guide

Mr. N. Ramu M. Tech

H.O.D, Dept. of Civil Engineering

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PROF. K.V.S.G. MURALI KRISHNA

EXTERNAL EXAMINER

**EXPERIMENTAL STUDY ON STONE MASTIC ASPHALT
WITH THE USAGE OF FIBRES**

A project report submitted inpartial fulfillment of the requirements for the award of the
Degreeof

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

Submitted by

K.GANESH - 18U45A0118
K.ANILKUMAR - 18U45A0142
G.YAMUNA - 18U45A0120
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Under the Guidance of
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Assistant Professor, Department of CIVIL



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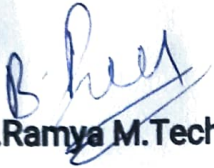
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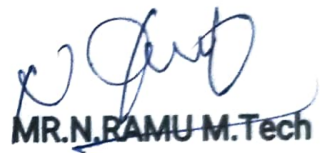
This is to certify that the project work entitled "EXPERIMENTAL STUDY ON USING FIBRES" submitted by K.GANESH(18U45A0118)K.ANIL(18U45A0142),V.RAVITEJA(18U45A0116),G.YAMUNA(18U45A0120), K.GOVINDU(17U41A0102)and n partial fulfillment of the requirements for the award of bachelor of technology degree in " civil Engineering"to JNTU Kakinada is record of BONDIFIED work carried out by her under my guidance supervision



Smt.B.Ramya M.Tech

Assistant professor
Civil Engineering

Project guide



MR.N.RAMU M.Tech

H.O.D.dept of civil
Head of the Department
Civil Engineering
Jdi Institute of Engg. & Tech.
Anaparthi - 531 097

Prof KVSG Murali Krishna
EXTERNAL EXAMINER

**EXPERIMENTAL STUDY ON STABILIZATION OF SOIL
BY USING BAGASSE ASH AND LIME.**

*A project report submitted in partial fulfilment of the
requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

Submitted by

R. MANIKANTA	18U45A0136
Y. SAI SANKAR	18U45A0111
Y. DAMODARA RAO	18U45A0139
Y. RAMESH	18U45A0112
G. JAYAVARDHAN	18U45A0147

Under the Esteemed Guidance of

Mrs. PUNNAM.LAVANYA M. Tech

Assistant Professor, Department of CIVIL



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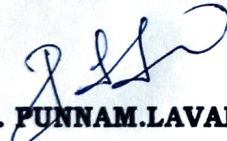
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NH -16, ANAKAPALLE - 531 002, Visakhapatnam, A.P.
(2017-2021)**




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NAAC ACCREDITED INSTITUTE
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NH-16, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the project report entitled, "**EXPERIMENTAL STUDY ON STABILIZATION OF SOIL BY USING BAGASSE ASH AND LIME**" is being Submitted by R. MANIKANTA, Y. SAISANKAR, Y. RAMESH, Y. DAMODARA RAO, G. JAYAVARDHAN in partial fulfilment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING** during the academic year 2020-2021.


Mrs. PUNNAM.LAVANYA M. Tech
(Assistant Professor)

(PROJECT GUIDE)


Sri. N. RAMU M. Tech
(Asst. professor)
Head of the Department
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(HEAD OF CIVIL DEPARTMENT)
Anakapalle - 531 002

Prof. K.V.S.G. Murali Krishna
EXTERNAL EXAMINER

**EXPERIMENTAL STUDY ON PERVIOUS CONCRETE WITH
ADD MIXTURES**

This project is submitted to the JNTU Kaknada with fulfillment of the
requirement

For the degree of B.Tech

In

CIVIL ENGINEERING

Submitted by

B DEVI 18U45A0131

K DEVI 17U41A0110

D SRI RAM 18U45A0117

V V K K KUMAR 17U41A0105

S UMA MAHESH 18U45A0151

Under esteemed guidance of

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Assistant professor, DEPT. OF CIVIL ENGINEERING



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

Department of civil engineering

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(2017 - 2021)


CERTIFICATE

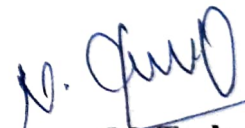


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NH - 16, ANAKAPALLE - 531002, Visakhapatnam, Andhra State.)

This is to certify that the project work entitled **Experimental study on pervious concrete with add mixtures**. That is being submitted by B. DEVI,(18U45A0131),K.DEVI(17U41A0110),D.SRIRAM(18U45A0117) V.K.KIRAN KUMAR(17U41A0105), S.UMA MAHESH(18U45A0151) for the fulfilment of the requirements for the award of degree in CIVIL ENGINEERING to JNTU Kakinada is a record of BONDIFIED work carried out by him under my guidance supervision


Mr. M RVSG Guptha M.Tech
Assistant professor
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Project guide


Mr. N. Ramu M. Tech
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DADI Institute of Engg. & Tech
Anakapalle - 531 002

PROF. KUSG MURALI KRISHNA
EXTERNAL EXAMINAR

**AN EXPERIMENTAL INVESTIGATION OF VARIOUS BRICKS BY
THE PARTIAL REPLACEMENT OF SAWDUST, PERLITE AND
EXFOLIATED VERMICULITE**

This project is submitted to JNTU Kakinada with fulfillment of the requirement
for the award of the degree of

BACHILOR OF DEGREE

In

CIVIL ENGINEERING

Submitted by

B. Narsingarao	18U45A0127
K. Anil	18U45A0128
B. Laxman	18U45A0137
K. Lavanya	17U41A0107
R. Bhanu Prakash	18U45A0146

Under the esteemed guidance of

Mrs. Padadalam. Lavanya M. Tech

Asst. Professor, Department of Civil Engineering



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NH-16, Anakapalle-531002, Visakhapatnam, A.P.

2017-2021



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CERTIFICATE

This is to classify the project work entitled **AN EXPERIMENTAL INVESTIGATION OF VARIOUS BRICKS BY THE PARTIAL REPLACEMENT OF SAWDUST, PERLITE AND EXFOLIATED VERMICULITE**. That is being submitted by B. Narsingarao (18U45A0127), K. Anil (18U45A0128), B. Laxman (18U45A0137), K. Lavanya (17U41A0107), R. Bhanu Prakash (18U45A0146), for the fulfillments of the requirements for the requirements for award of degree in CIVIL ENGINEERING to JNTU Kakinada is a record of BONDIFIED work carried out by him under my guidance supervision.

FD Lavanya

Mrs. Padadalam. LAVANYA,

(Assistant Professor)

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N. Ramu
Sri. N. RAMU, M. Tech,

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Head of the Department
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HOD OF CIVIL ENGINEERING

Prof. Kusa Murali Krishna

EXTERNAL EXAMINAR

**AN EXPERIMENTAL STUDY ON FIBRE REINFORCED
SELF COMPACTING CONCRETE BY USING RECYCLED
AGGREGATES**

**A project report submitted in partial fulfillment of the
requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY**

IN

CIVIL ENGINEERING

Submitted by

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CERTIFICATE

This is to certify that the project work entitled “AN EXPERIMENTAL STUDY ON FIBRE REINFORCED SELF COMPACTING CONCRETE BY USING RECYCLED AGGREGATES ” is an authentic work submitted by M.RAMU (18U45A0135), L.SANTHI (18U45A0122), K.NEERAJA RANI (18U45A0104), K.SEKHAR (18U45A0113), N.NIKHIL KUMAR (17U41A0105). In partial fulfilment of the requirement for the award of the degree of bachelor of technology in civil engineering from diet college of engineering during the academic year 2020-2021.

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