

# ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY

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Aditya Nagar, ADB Road, Surampalem -533437, E.G.Dt., Ph: 99591 76665


## DEPARTMENT OF CIVIL ENGINEERING




### CERTIFICATE

This is to certify that the thesis entitled "PERFORMANCE AND ANALYSIS OF BAGASSE ASH FOR PARTIAL REPLACEMENT OF CEMENT IN CONCRETE" submitted by N.V.V.SAI PRASAD (14P35A0108), K.LALITHA (13P31A0130), A.APARNA (13P31A0104), SUMAN SHARMA BAJAGAIN (13P31A0152), D.MIDHUN (14P35A0101) in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

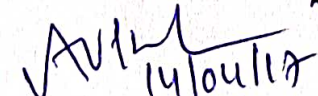
The results embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

  
Project Guide  
Mr. S.SURESH REDDY

  
Head of the Department  
Mrs. B.J.SUSHMA

Head of the Department  
Dept. of Civil

Aditya College of Engineering & Technology  
SURAMPALEM - 533 437

  
External Examiner



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## DEPARTMENT OF CIVIL ENGINEERING



## CERTIFICATE

This is to certify that the thesis entitled "**PLANNING, MODELING, AND SCHEDULING OF MULTI-STOREY RESIDENTIAL BUILDING**" submitted by SANDESH KHADKA (13P31A0167), V.ESWAR CHAKRADHAR (13P31A0156), S.SRINIVAS(13P31A0151), N.PRUTHVI REDDY (13P31A0140) and Y.D.MANOJ (13P31A0160) in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

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

K.D.B. Sireesha  
Project Guide 12/4/17  
(MS. K.D.B SIREESHA)

12 Apr 17  
Head of the Department

Mrs. B.J. SUSHMA  
Dept. of Civil

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14/04/17  
EXTERNAL EXAMINER



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## DEPARTMENT OF CIVIL ENGINEERING



## CERTIFICATE

This is to certify that the thesis entitled "**SEISMIC ANALYSIS AND DESIGN OF HIGH-RISE BUILDING**" submitted by **ARBIND KUMAR SHARMA (13P31A0101)** **G.SATYA HARITHA (13P31A0122)** **M.VYJAYANTHI (13P31A0136)** **N.MANIKANTHA (14P35A0109)** **S.VISHNU CHAKRA (13P31A0115)** in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

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**Mrs. B.J.SUSHMA**  
Head of the Department

**Mrs. D.PRATHIMA**  
Project Guide

**External Examiner**

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## DEPARTMENT OF CIVIL ENGINEERING



## CERTIFICATE

This is to certify that the thesis entitled "REPLACEMENT OF FINE AGGREGATE WITH QUARRY DUST IN FIBER REINFORCED CONCRETE " submitted by K.S.R.MANJARI(13P31A0128), K.DURGA MANIKANTA(13P31A0131), V.N.PADMAVATHI DEVIKA (13P31A0158) ,CH.SAI SURYA TEJA RAJA(13P31A0113),K.DURGA PRASAD(13P31A0132), P.V.V.S.N.MURTHY (14P35A0111) in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

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*A. S. Swetha* 13/4/17  
Project Guide

Ms. A.S.SWETHA SRI

*AV* 14/04/17  
External Examiner

*B.J. Sushma* 13.04.17  
Head of the Department

Mrs. B.J.SUSHMA

Head of the Department  
Dept. of Civil

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SURAMPALAM - 533 437



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## DEPARTMENT OF CIVIL ENGINEERING



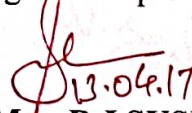
## CERTIFICATE

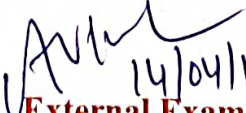
This is to certify that the thesis entitled "ASSESSMENT OF STABILIZATION OF EXPANSIVE SOIL WITH RICE HUSK ASH AND TANDUR STONE SLURRY POWDER" submitted by RAM KUMAR SAH (13P31A0166), P.RAJESWARI (14P35A0112), Y.M SRIDEVI (13P31A0161), N.SAI GOPAL (14P35A0110), PAPPU KUMAR YADAV (13P31A0103) in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

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13.04.17  
Mr.MD.ABDUL SHUKOOR

Project Guide

  
13.04.17  
Mrs. B. SUSHMA  
Head of the Department  
Dept. of Civil  
Aditya College of Engineering & Technology  
SURAMPALAM - 533437

  
14/04/17  
External Examiner

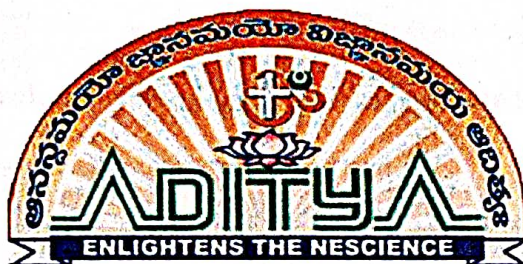
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Aditya Nagar ADB Road, Surampalem- 533437, E.G. Dt.,

KAKINADA-533003

2013-17

## Department of Civil Engineering



### CERTIFICATE

This is to certify that the project work entitled "COMPARATIVE STUDIES ON STABILIZATION OF EXPANSIVE SOIL WITH QUARRY DUST & CRUMB RUBBER POWDER", is a being submitted by G.JAGADEESWARI (13P31A0121), P.KRISHNA KAMESH (13P31A0146), N.NIKHIL SRIKRISHNA (13P31A0143), M.V.SWAROOP REDDY (13P31A0138), Y.VEERA BHADRA (13P31A0162) submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

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

*13.04.17*  
**HEAD OF THE DEPARTMENT**  
J.SUSHMA. Head of the Department  
Assistant Professor, Dept. of Civil  
Engineering, Aditya College of Engineering & Technology  
Surampalem - 533 437  
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*13.04.17*  
**PROJECT GUIDE**  
B. J.SUSHMA.  
H.O.D, Assistant Professor,  
Dept. of Civil Engineering  
Aditya College of Engineering & Technology

*[Signature]*  
**EXTERNAL EXAMINER**



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## DEPARTMENT OF CIVIL ENGINEERING



## CERTIFICATE

This is to certify that the thesis entitled "**PARTIAL REPLACEMENT OF FINE AGGREGATE BY WASTE GLASS POWDER IN FIBER REINFORCED CONCRETE**" submitted **MANISH PRASAD GUPTA (13P31A0165) B.GEETHA PRAVEENA (13P31A0106) G.SIRISHA (13P31A0123) K.PRAVEEN (13P31A0129) K.SUBBA RAMI REDDY (13P31A0126)** in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

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

*V.N. Kalyani* 12/4/17  
Ms.V.N. KALYANI

**Project Guide**

*B.J. Sushma* 12.04.17  
Mrs. B.J.SUSHMA  
Head of the Department  
Dept. of Civil  
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*External Examiner* 14/04/17  
**External Examiner**

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**Mrs. B.J.SUSHMA**  
Head of the Department

**Mrs. D.RRATHIMA**  
Project Guide

**External Examiner**



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## DEPARTMENT OF CIVIL ENGINEERING



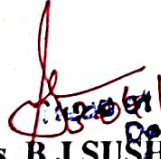
## CERTIFICATE


This is to certify that the thesis entitled "**ASSESMENT OF STRENGTH AND WORKABILITY OF CEMENT AND M25 GRADE CONCRETE USING TANDUR STONE SLURRY POWDER AND FLY ASH**" submitted by

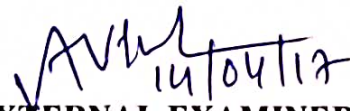
S. LAKSHMI MANASA	13P31A0150
M. RAVI KISHORE	13P31A0137
M. V.M.TEJA	13P31A0135
P. RAVI TEJA	13P31A0144
E. D.RAM PRASAD	13P31A0116

in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

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Mrs. B.J.SUSHMA  
Head of the Department  
Dept of Civil  
Aditya College of Engineering and Technology  
Surampalem

  
(Mr.S.SIVACHARAN)  
Project Guide

  
EXTERNAL EXAMINER

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## DEPARTMENT OF CIVIL ENGINEERING



## CERTIFICATE

This is to certify that the thesis entitled "EFFECTS OF CERAMIC WASTE AND LIME ON THE INDEX PROPERTIES OF EXPANSIVE SOIL" Submitted by

SONU KUMAR GUPTA	13P31A0168
RAJASEKHAR GIDIYALA	13P31A0120
RAJESH LAGUDU	13P31A0133
BADAPKUPAR WANNIANG	13P31A0105
M.SATYA SAI SEKHAR	13P31A0134
SARATH KUMAR	13P31A0139

in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

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13.04.17  
Mrs. B.J.SUSHMA  
Head of the Department

Surampalem  
Institute of  
Science & Technology

G. Kishore Kumar  
(Mr. G KISHOREKUMAR)  
Project Guide



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## DEPARTMENT OF CIVIL ENGINEERING




## CERTIFICATE

This is to certify that the thesis entitled "EFFECTS OF CERAMIC WASTE AND LIME ON THE INDEX PROPERTIES OF EXPANSIVE SOIL" submitted by **RAJASEKHAR GIDIYALA, 13P31A0120** in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

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13.04.17  
Mrs. B.J.SUSHMA  
Head of the Department

  
(Mr. G.KISHORE KUMAR)  
Project Guide

Head of the Department  
Dept. of Civil  
Aditya College of Engineering and Technology  
Surampalem

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## DEPARTMENT OF CIVIL ENGINEERING

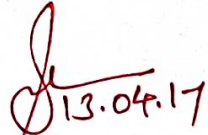



## CERTIFICATE

This is to certify that the thesis entitled "THE STUDY ON MECHANICAL STRENGTH PROPERTIES OF FIBRE REINFORCED CONCRETE BY REPLACING CEMENT WITH RICE HUSK ASH" submitted by G.VARA PRASAD (14P35A0105) CH.SIRISHA (13P31A0111) R.SAILAJA (13P31A0148) J.VAMSI KRISHNA (14P35A0107) V.SURYA PRAKASH (13P31A0157) in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

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**Project Guide**  
(A.NAGA SAI)

  
**Head of the Department**  
(Mrs. B. J. SUSHMA)  
Head of the Department  
Dept. of Civil  
Aditya College of Engineering & Technology  
SURAMPALAM - 533 437

  
**External Examiner**



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KAKINADA-533003

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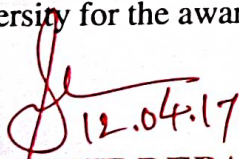
## Department of Civil Engineering



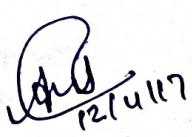
### CERTIFICATE

This is to certify that the project work entitled "PLANNING, MODELLING AND ESTIMATION OF A CARAVANSARY BUILDING", is a being submitted by G.G.L.CHANDRA SEKHAR (14P35A0103), Y.SAI CHAKRADHAR (13P1A0163), J.S.MANIKANTA (14P35A0106), B.MAHASAI (13P31A0109), G.RAJA KUMAR (13P31A0119) submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

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**HEAD OF THE DEPARTMENT**  
B. J. SUSHMA  
Assistant Professor,  
Dept. of Civil Engineering  
Aditya College of Engineering & Technology  
SURAMPALEM - 533 437

### PROJECT GUIDE

  
**A. NAGASAI**  
Assistant Professor,  
Dept. of Civil Engineering  
Aditya College of Engineering & Technology

  
**EXTERNAL EXAMINER**

# ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY

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Aditya Nagar, ADB Road, Surampalem -533437, E.G.Dt., Ph: 99591 76665

## DEPARTMENT OF CIVIL ENGINEERING



## CERTIFICATE

This is to certify that the thesis entitled “STUDY ON PARTIAL  
REPLACEMENT OF FINE AGGREGATE WITH CRUMB  
RUBBER” submitted by

T.S.K SRI RAM	13P31A0164
B.PRIYANKA	13P31A0110
K.MOUNA SRUTHI	13P31A0127
G.TILAK	13P31A0117
CH.ROHIT	13P31A0112

In partial fulfilment of the requirements for the award of Bachelor of  
Technology degree in Civil Engineering, during the academic year 2013-  
2017.

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to any other institute or university for the award of any degree or diploma.

*[Signature]*  
Mrs. B.J.SUSHMA  
Head of the Department  
Dept. of Civil  
Aditya College of Engineering & Technology  
SURAMPALAM - 533 437

*[Signature]*  
(Mrs. G.RADHA DEVI) 12/4/17  
Project Guide

*[Signature]*  
EXTERNAL EXAMINAR



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## DEPARTMENT OF CIVIL ENGINEERING



### CERTIFICATE

This is to certify that the thesis entitled "AGGREGATE SIZE EFFECT ON HIGH STRENGTH SELF-COMPACTING CONCRETE OF M60 GRADE" submitted by T.AVINASH RAJ (13P31A0155), P.VENKATESH (13P31A0145), K.HEMANTH SAI (13P31A0125), G.SATYA APPARAO (13P31A0118), N.MANGANBA MEITEI (13P31A0142) in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

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Mrs. B.J.SUSHMA  
Head of the Department

Head of the Department  
Dept. of Civil  
Aditya College of Engineering & Technology  
SUIP

Ms. K.SANTHI  
Project Guide

External Examiner

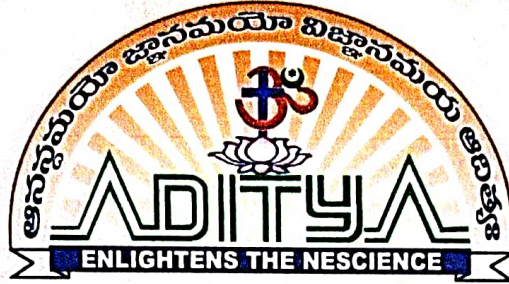
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## DEPARTMENT OF CIVIL ENGINEERING



## CERTIFICATE

This is to certify that the thesis entitled "DESIGN AND ANALYSIS OF EDUCATIONAL BUILDING BY USING REVIT AND ROBOT SOFTWARE" submitted by

**AMIT YADAV**

**13P31A0102**

**D.DINESH KUMAR**

**14P35A0102**

**TEJPRATAP SAHU**

**13P31A0154**

**JUGNU KUMAR**

**13P31A0149**

**G.D.S HANUMAN**

**14P35A0104**

in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Civil Engineering, during the academic year 2013-2017.

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**Mrs. B.J.SUSHMA**

**Head of the Department**

Head of the Department  
Dept. of Civil

Aditya College of Engineering & Technology  
SURAMPALAM - 533 437

  
**(Mr. Ch. BHASKAR NAIDU)**

**Project Guide**



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B.PRIYANKA	13P31A0110
K.MOUNA SRUTHI	13P31A0127
G.TILAK	13P31A0117
CH.ROHIT	13P31A0112
T.S.K SRI RAM	13P31A0164

in partial fulfillment of the requirements for the award of Bachelor of  
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13.04.17  
Mrs. B.J.SUSHMA

Head of the Department  
Dept. of Civil  
Aditya College of Engineering & Technology  
SURAMPALAM - 533 437

G. Radha Devi  
(Mrs. G. RADHA DEVI) 12/4/17

Project Guide

External Examiner