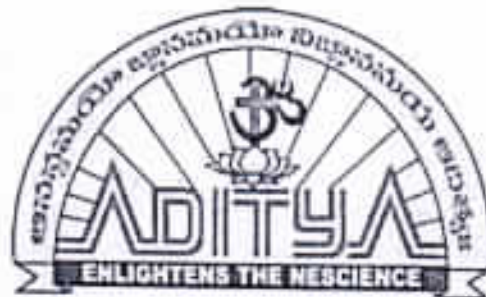


# ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE - Permanently Affiliated to JNTU Kakinada - Accredited by NAAC

Aditya Nagar, ADB Road, Surampalem, E.G. Dist., A.P-533437


Department of CIVIL Engineering



## CERTIFICATE

This is to certify that the project report entitled "A COMPARATIVE STUDY ON MECHANICAL AND DURABILITY PROPERTIES OF NYLON AND HDPE FIBER REINFORCED CONCRETE", submitted by B. LAXMI SAILAJA (17P31D8711) in partial fulfilment of the requirements for the award of the MASTER OF TECHNOLOGY IN CIVIL ENGINEERING with specialization in STRUCTURAL ENGINEERING during the academic period of 2017-2019.

MMZ  
01/8/19  
PROJECT GUIDE

  
Head of the Department  
HEAD OF THE DEPARTMENT  
Aditya College of Engineering & Technology  
SURAMPALAM - 533 437

  
EXTERNAL EXAMINER

  
PRINCIPAL  
Aditya College of  
Engineering & Technology  
SURAMPALAM - 533 437

**ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE – Permanently Affiliated to JNTU Kakinada - Accredited by  
NAAC

Aditya Nagar, ADB Road, Surampalem, E.G.Dist., A.P-533437

Department of CIVIL Engineering



**CERTIFICATE**

This is to certify that the project report entitled "INFLUENCE OF ASPECT RATIO IN HDPE FIBER REINFORCED CONCRETE – A COMPARATIVE STUDY", submitted by **L. NIKHITHA CHOWHAN (17P31D8715)** in partial fulfilment of the requirements for the award of the **MASTER OF TECHNOLOGY IN CIVIL ENGINEERING** with specialization in **STRUCTURAL ENGINEERING** during the academic period of 2017-2019.

MMH  
02/8/19  
PROJECT GUIDE

V. Ramesh  
EXTERNAL EXAMINER

HEAD OF THE DEPARTMENT  
Civil Engineering  
Aditya College of Engineering & Technology  
SURAMPALAM - 533 437

PRINCIPAL  
Aditya College of  
Engineering & Technology  
A.P.M. 533 437

# ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE-Affiliated to JNTU/K. Kakinada- Accredited by NAAC )

ADB Road, SURAMPALEM

## DEPARTMENT OF CIVIL ENGINEERING



## CERTIFICATE

This is to certify that the thesis/dissertation entitled "BEHAVIOR OF SELF CURING CONCRETE WITH RECYCLED COARSE AGGREGATE" is being Submitted by MR. KORUKONDA SATISH bearing Regd. No 17P31D8706 in partial fulfillment for the award of MASTER OF TECHNOLOGY in CIVIL ENGINEERING with specialization in STRUCTURAL ENGINEERING during the academic year 2017- 2019.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

*V. N. NAGAKALYANI*  
Project guide

Mrs. V.NAGAKALYANI M.Tech.  
Assistant Professor

*A. NAGA SAI*  
Head of the Department

Mr. A.NAGA SAI, M.Tech.(Ph.D)  
Assistant Professor

*V. Ramesh*  
EXTERNAL EXAMINER

*[Signature]*  
PRINCIPAL  
Aditya College of  
Engineering & Technology  
SURAMPALEM- 533 437

# ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE - Permanently Affiliated to JNTU Kakinada - Accredited by NAAC

Aditya Nagar, ADB Road, Surampalem, E.G. Dist., A.P-533437


Department of CIVIL Engineering



## CERTIFICATE

This is to certify that the project report entitled "SEISMIC ANALYSIS AND DESIGN OF MULTISTORIED BUILDING WITH AND WITHOUT BRACING ACCORDING TO IS CODE AND EURO CODE", submitted by **D.SIRISHA (17P31D8709)** in partial fulfilment of the requirements for the award of the **MASTER OF TECHNOLOGY IN CIVIL ENGINEERING** with specialization in **STRUCTURAL ENGINEERING** during the academic period of 2017-2019.

  
**PROJECT GUIDE**  
Miss. M. DIVYA TEJASWI, M.Tech.  
Assistant Professor

  
**HEAD OF THE DEPARTMENT**  
Mr. A. NAGA SAI, M.Tech., (Ph.D.)  
Associate Professor  
Head of the Department  
Civil Engineering  
Aditya College of Engineering & Technology  
SURAMPALEM - 533 437

  
**EXTERNAL EXAMINER**

  
**PRINCIPAL**  
Aditya College of  
Engineering & Technology  
SURAMPALEM - 533 437



**ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE – Permanently Affiliated to JNTU Kakinada - Accredited by NAAC

Aditya Nagar, ADB Road, Surampalem, E.G Dist., A.P-533437


Department of CIVIL Engineering




**CERTIFICATE**

This is to certify that the project report entitled "FINITE ELEMENT ANALYSIS OF A REINFORCED CONCRETE BEAM BY RETROFITTING WITH DIFFERENT THERMOPLASTIC POLYMER COMPOSITES USING ANSYS", submitted by **Y. NAGA VASAVI SRAVANTHI (17P31D8703)** in partial fulfillment of the requirements for the award of the **MASTER OF TECHNOLOGY IN CIVIL ENGINEERING** with specialization in **STRUCTURAL ENGINEERING** during the academic period of 2017-2019.

MMV  
02/8/19  
PROJECT GUIDE

  
HEAD OF THE DEPARTMENT  
Head of the Department  
Civil Engineering  
Aditya College of Engineering & Technology  
SURAMPALAM - 533 437

  
EXTERNAL EXAMINER

  
PRINCIPAL  
Aditya College of  
Engineering & Technology  
SURAMPALAM- 533 437

# ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE – Permanently Affiliated to JNTU Kakimda - Accredited by NAAC

Aditya Nagar, ADB Road, Surampalem, E.G. Dist., A.P-533437

Department of CIVIL Engineering



## CERTIFICATE

This is to certify that the project report entitled "AN EXPERIMENTAL STUDY ON STATIC BEHAVIOUR OF HYBRID FIBER REINFORCED CONCRETE", submitted by **PORIREDDI GEETHANJALI (17P31D8707)** in partial fulfilment of the requirements for the award of the **MASTER OF TECHNOLOGY IN CIVIL ENGINEERING** with specialization in **STRUCTURAL ENGINEERING** during the academic period of 2017-2019.

SIGNATURE of GUIDE

Miss. M. DIVYA TEJASWI, M.Tech,  
Assistant Professor

SIGNATURE of HOD

Mr. A. NAGA SAI, M.Tech, (Ph.D)

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

EXTERNAL EXAMINER



PRINCIPAL  
Aditya College of  
Engineering & Technology  
SURAMPALAM - 533 437

# ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE – Permanently Affiliated to JNTU Kakinada – Accredited by NAAC

Aditya Nagar, ADB Road, Surampalem, E.G.Dist., A.P-533437

## DEPARTMENT OF CIVIL ENGINEERING



### CERTIFICATE

This is to certify that the project report entitled "A STUDY ON GLASS FIBER REINFORCED SELF COMPACTING CONCRETE AND COPPER FIBER REINFORCED SELF COMPACTING CONCRETE – COMPARISON WITH CONVENTIONAL SELF COMPACTING CONCRETE". Submitted by SHEIK SULTHAN BEE BEE (15P31D8712) in partial fulfillment of the requirements for the award of the MASTER OF TECHNOLOGY IN CIVIL ENGINEERING with specialization in STRUCTURAL ENGINEERING during the academic period of 2015-2019.

PROJECT GUIDE

Mr. S SIVACHARAN

Associate Professor

HEAD OF THE DEPARTMENT

Mr. A.NAGA SAI

Assistant Professor

EXTERNAL EXAMINER

PRINCIPAL  
Aditya College of  
Engineering & Technology  
SURAMPALAM- 533 437