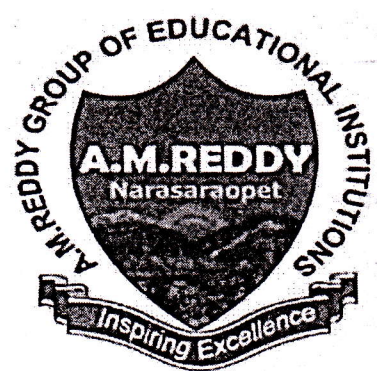


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**CERTIFICATE**

This is to certify that the project entitled "ANALYSIS AND DESIGN OF MULTI STORED BUILDING FOR VERTICAL AND HORIZONTAL LOADING WITH AND WITHOUT DAMPERS" is submitted by Mr. Dulla Trivendra (20HM1D8502) in partial fulfillment for the award of the degree of Master of Technology in Structural Design in Department of Civil Engineering during the year 2020-2022. The content of the thesis has not been submitted earlier for the award of any other degree or certificate and I heartily comment the work done by him in this connection.

*A. Neel Kumar*  
Project guide

*Sf.*  
External Examiner

*[Signature]*  
Head of the department

*[Signature]*  
Principal

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*[Signature]*  
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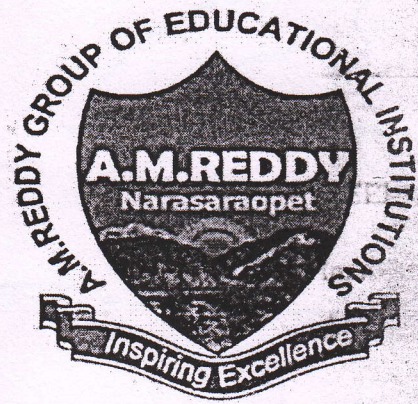


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**CERTIFICATE**

This is to certify that the project entitled "VARIATION OF MECHANICAL PROPERTIES OF M40 SELF COMPACTING CONCRETE WITH DIFFERENT SIZES OF COARSE AGGREGATE" is submitted by Mr. C HARIKRISHNA (18HM1D8507) in partial fulfillment for the award of the degree of Master of Technology in Structure Design Engineering in Department of Civil Engineering during the year 2020-2022. The content of the thesis has not been submitted earlier for the award of any other degree or certificate and I heartily commend the work done by him in this connection.

*[Signature]*  
Project guide

*[Signature]*  
External Examiner

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Head of the department

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Dr. S. Jaya Krishna (Ph.D.)

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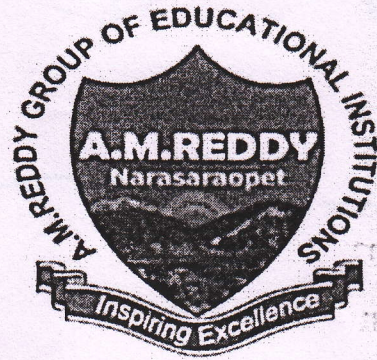
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**CERTIFICATE**

This is to certify that the project entitled "A STUDY ON STRENGTH ASSEMENT OF CONCRETE BY PARTIAL REPLACEMENT CEMENT WITH METAKOLIN AND FLYASH" is submitted by Mr. NAKKA VENKATA KRISHNA MOHAN (20HM1D8505) in partial fullfilment for the award of the degree of Master of Technology in Transportation Engineering in Department of Civil Engineering during the year 2018-2020. The content of the thesis has not been submitted earlier for the award of any other degree or certificate and I heartily comment the work done by him in this connection.

*[Signature]*  
Project guide

*[Signature]*  
External Examiner

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Head of the department

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Principal

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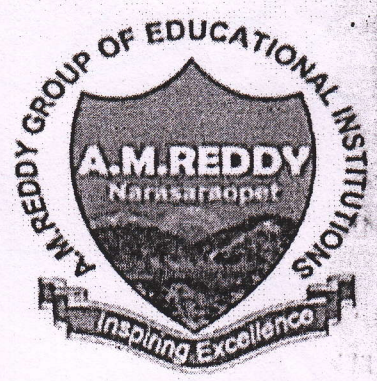


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This is to certify that the project entitled "STUDY AND ANALYSIS OF METAKOLIN IN HIGH PERFORMANCE CONCRETE" is submitted by Ms. JAJAM VENKATA SRILAKSHMI (19HM1D8506). in partial fulfilment for the award of the degree of Master of Technology in Structural Design in Department of Civil Engineering during the year 2019- 2021. The content of the thesis has not been submitted earlier for the award of any other degree or certificate and I heartily comment the work done by him in this connection.

*G. Madhava*  
Project guide

*[Signature]*  
External Examiner

*[Signature]*  
Head of the department  
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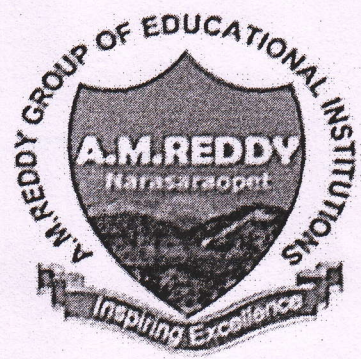
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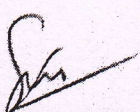
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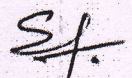
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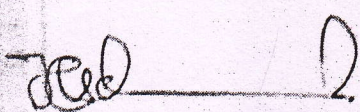


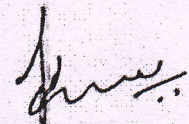
CERTIFICATE

This is to certify that the project entitled "EARTHQUAKE ANALYSIS ON MULTISTOREY BUILDING" is submitted by Miss. Medukonduri Naga Srujana (20HM1D8504) in partial fulfillment for the award of the degree of Master of Technology in Structural Design in Department of Civil Engineering during the year 2020-2022. The content of the thesis has not been submitted earlier for the award of any other degree or certificate and I heartily comment the work done by him in this connection.

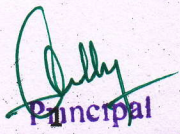
  
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External Examiner

  
Head of the department

  
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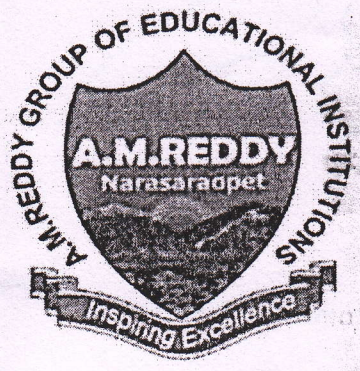
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This is to certify that the project entitled "A SHEAR BEHAVIOUR OF HYBRID FIBER REINFORCED GEOPOLYMER CONCRETE BEAMS" is submitted by Mr. SHAIK BOGGULA NAGUR VALI (19HMID8513). in partial fulfilment for the award of the degree of Master of Technology in Structural Design in Department of Civil Engineering during the year 2019- 2021. The content of the thesis has not been submitted earlier for the award of any other degree or certificate and I heartily comment the work done by him in this connection.

M. Mourika  
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Head of the department

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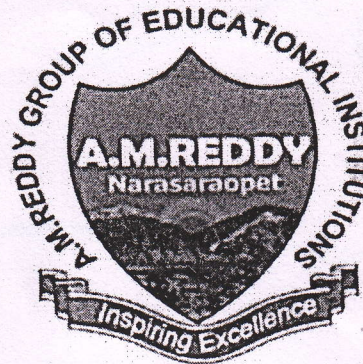
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**CERTIFICATE**

This is to certify that the project entitled "A STUDY ON ACID RESISTANT BEHAVIOUR OF SELF COMPACTING CONCRETE BY PARTIAL REPLACEMENT OF CEMENT BY FLY ASH" is submitted by Mr. NUTHALAPATI VENKATESH (19HM1D8510). in partial fulfilment for the award of the degree of Master of Technology in Structural Design in Department of Civil Engineering during the year 2019- 2021. The content of the thesis has not been submitted earlier for the award of any other degree or certificate and I heartily comment the work done by him in this connection.

*S.K. Dikshad*  
Project guide

*[Signature]*  
External Examiner

*[Signature]*  
Head of the department

*[Signature]*  
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*[Signature]*  
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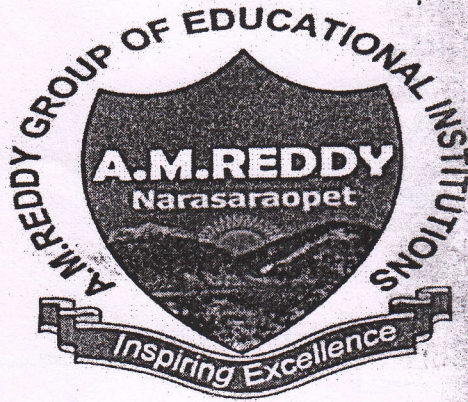


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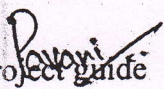
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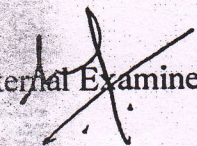
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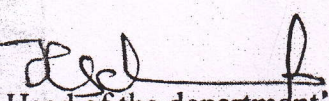


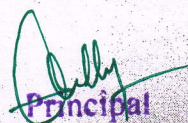
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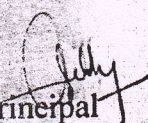
This is to certify that DHANISSETTY SAI VINEETHA, bearing the regd.no.20HM1D8501 has carried out the project work presented in this report **STUDIES ON MAJOR ELEMENTS OF AN ELEVATED METRO BRIDGE** For the award of Master of Technology (**STRUCTURAL DESIGN**) from JNTU, KAKINADA under our super vision. The report embodies results of original work and studies are carried out by the student him/her self and the contents of report do not copied from any other report or any other university/institute.

  
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