

**CHAITANYA BHARTHI INSTITUTE OF TECHNOLOGY**  
**M.E. DISSERTATION REPORTS**  
**A.Y. 2023-24**

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### CERTIFICATE

This is to certify that the project report titled “EFFECTIVENESS OF CRYSTALLINE ADMIXTURE IN SELF HEALING OF BEAMS WITH DIFFERENT CRACK WIDTHS” is a bonafide work done as project and submitted by

**RAGHAPURAPU SAI CHARAN**

**160122741001**

in partial fulfillment of requirement for the award of **Master of Engineering Degree in Structural Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad.** This work has not been submitted to any university or institution for the award of any degree or diploma.

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DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the dissertation work entitled “**Analysis of porous beam for non-linear bending subjected to non-uniform loadings**” being submitted by **S. Waliullah Mohiuddin Quadri** bearing Roll No **1601-22-741-003** in partial fulfillment for the award of degree of **Master of Engineering in Civil Engineering** with specialization in **Structural Engineering** during the academic year 2022-2024 in Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad was carried out under my supervision and that this work was not submitted elsewhere for the award of any other degree.

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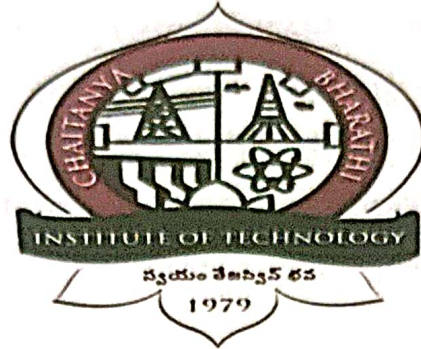
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This is to certify that the dissertation work entitled “**SEISMIC ANALYSIS OF BASE ISOLATED RC BUILDINGS - A COMPARITIVE STUDY**” being submitted by **MOHD IMADUDDIN** bearing Roll No **1601-22-741-004** in partial fulfillment for the award of degree of **Master of Engineering in Civil Engineering** with specialization in **Structural Engineering** during the academic year 2022-2024 in Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad was carried out under my supervision and that this work was not submitted elsewhere for the award of any other degree.

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**Associate Professor**

**Supervisor**

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## CERTIFICATE

This is to certify that the dissertation work titled “**BEHAVIOUR OF REINFORCED CONCRETE BEAM DUE TO VARYING CRYSTALLINE ADMIXTURE UNDER MONOTONIC LOADING**”, Submitted by **GUGULOTH VISHNU VARDHAN** bearing Roll No: **1601-22-741-005** towards partial fulfilment for the award of master degree in **CIVIL ENGINEERING** with specialization in **STRUCTURAL ENGINEERING** during the academic year 2023-2024 From Chaitanya Bharathi Institute of Technology (Autonomous) affiliated to Osmania University, Hyderabad is a record of Bonafide work done by him under my supervision. The result embodied in this work is not submitted to any other university or institute for the award of any degree or diploma.



Under the Guidance of

**Dr. ARSHAD HUSSAIN CHOUDHURY**



Head of the Department

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This is to certify that the dissertation work entitled **“Investigation on the Mechanical Properties of Hybrid Fiber based Rice Husk Ash Geopolymer Concrete”** being submitted by **Mohammed Suheef Uddin** bearing Roll No **1601-22-741-006** in partial fulfillment for the award of degree of **Master of Engineering in Civil Engineering** with specialization in **Structural Engineering** during the academic year 2022-2024 in Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad was carried out under my supervision and that this work was not submitted elsewhere for the award of any other degree.

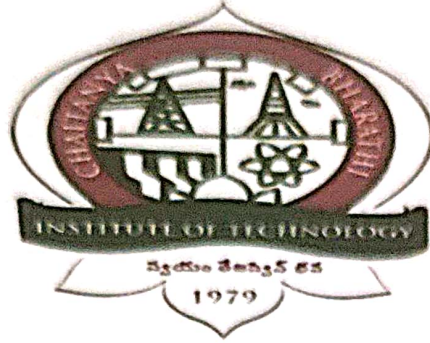
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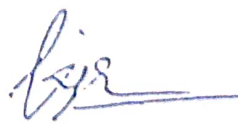
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This is to certify that the dissertation work entitled “**Analysis of porous sandwich plate for non-linear bending subjected to non-uniform loadings**” being submitted by **Syed Anees Ur Rahman** bearing Roll No **1601-22-741-007** in partial fulfillment for the award of degree of **Master of Engineering in Civil Engineering** with specialization in **Structural Engineering** during the academic year **2022-2024** in Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad was carried out under my supervision and that this work was not submitted elsewhere for the award of any other degree.

  
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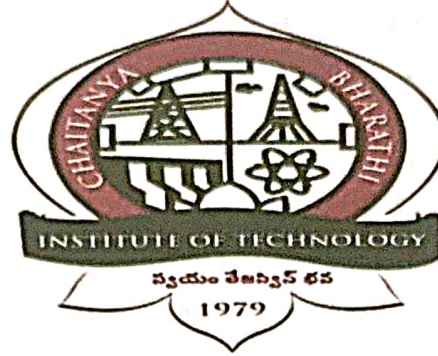
  
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## DEPARTMENT OF CIVIL ENGINEERING CERTIFICATE

This is to certify that the dissertation work entitled “SEISMIC RETROFITTING OF RC COLUMNS WITH FRP AND BRACING USING PUSHOVER ANALYSIS - A COMPARITIVE STUDY” being submitted by MD.OWAIS bearing Roll No 1601-22-741-008 in partial fulfillment for the award of **Master of Engineering in Civil Engineering** with specialization in **Structural Engineering** during the academic year 2022-2024 in Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad was carried out under my supervision and that this work was not submitted elsewhere for the award of any other degree.

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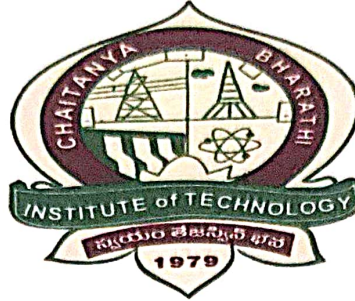
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This is to certify that the dissertation work titled “**COUPLED EFFECT OF BEDROCK AND ITS RIGIDITY ON DESIGN PARAMETERS IN 3D BUILDING FRAMES**”, Submitted by **PACHUDALA AVINASH** bearing Roll No: **1601-22-741-010** towards partial fulfillment for the award of master of Engineering degree in **CIVIL ENGINEERING** with specialization in **STRUCTURAL ENGINEERING** during the academic year 2022-2024 From Chaitanya Bharathi Institute of Technology (Autonomous) affiliated to Osmania University, Hyderabad is a record of bonafied work done by him under my supervision. The result embodied in this work is not submitted to any other university or institute for the award of any degree or diploma.

  
**DR. C. RAVI KUMAR REDDY**

Under the Guidance of

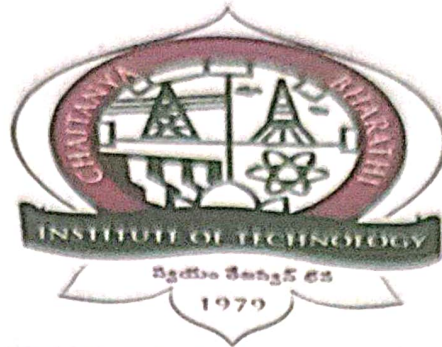
  
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**CERTIFICATE**

This is to certify that the dissertation work entitled “EVALUATING VARIOUS CRYSTALLINE ADMIXTURE PERCENTAGES IN SELF HEALING OF BEAMS” being submitted by **PENDYALA RAVI SHEKAR** bearing Roll No 1601-22-741-011 in partial fulfillment for the award of degree of **Master of Engineering in Civil Engineering** with specialization in **Structural Engineering** during the academic year 2022-2024 in Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad was carried out under my supervision and that this work was not submitted elsewhere for the award of any other degree.

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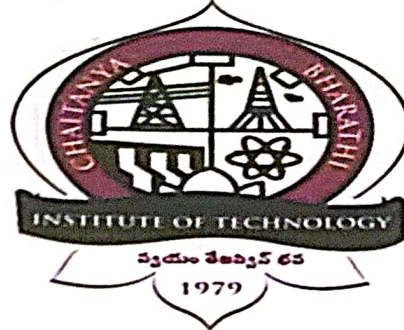
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This is to certify that the dissertation work entitled “**MECHANICAL AND DURABILITY PERFORMANCE OF CURING ENHANCED CONCRETE: INFLUENCE OF GGBS AND ROBO SAND**” being submitted by **UMMINENI NAGARAJU** bearing Roll No 1601-22-741-015 in partial fulfilment for the award of degree of **Master of Engineering in Civil Engineering** with specialization in **Structural Engineering** during the academic year 2022-2024 in Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad. This work was carried out under my supervision and the work was not submitted to any university or institution for the award of any degree.

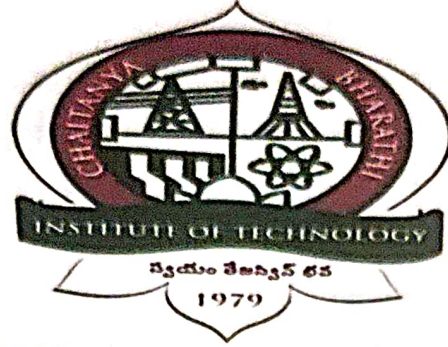
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**CERTIFICATE**

This is to certify that the dissertation work entitled “**EFFECT OF CURING SCHEMES IN SELF-HEALING OF BEAMS UNDER MONOTONIC LOADING (USING CRYSTALLINE ADMIXTURE)**” being submitted by **VARASALA SAI VISHNU PRABHATH** bearing Roll No **1601-22-741-017** in partial fulfilment for the award of degree of **Master of Engineering in Civil Engineering** with specialization in **Structural Engineering** during the academic year **2022-2024** in Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad was carried out under my supervision and that this work was not submitted elsewhere for the award of any other degree.

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**DR. K. JAGANNADHA RAO**

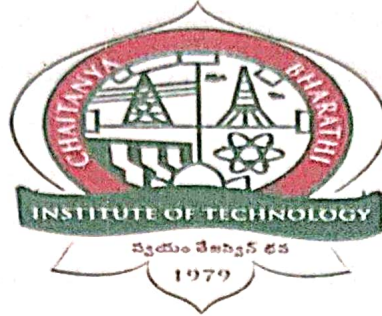
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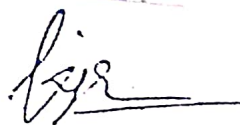


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This is to certify that the dissertation work entitled “**Influence of microfines in internal curing concrete**” being submitted by **A. Saketh Reddy** bearing **1601-22-741-018** in partial fulfillment for the award of degree of **Master of Engineering in Civil Engineering** with specialization in **Structural Engineering** during the academic year 2022-2024 in Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad was carried out under my supervision and that this work was not submitted elsewhere for the award of any other degree.

  
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