## FLEXURAL PERFORMANCE OF M30 GRADE CONCRETE USING HYBRID REINFORCEMENT AND POLYPROPYLENE FIBERS

A Mini Project Report submitted in partial fulfillment for the Degree of

M. Tech

In

**Structural Engineering** 

By

S.K.SAI CHANDRA

21241D2014

**Under the Supervision** 

Ms. K. HEMALATHA

**Assistant Professor** 

Co - Supervision

Dr. V. MALLIKARJUNA REDDY

Professor

**Department of Civil Engineering** 



## **GOKARAJU RANGARAJU**

INSTITUTE OF ENGINEERING AND TECHNOLOGY (Autonomous)

Bachupally, Kukatpally, Hyderabad -500090 August, 2022

## **CERTIFICATE**

This is to certify that the Mini Project Report entitled "Flexural Performance of M30 Grade Concrete using Hybrid Reinforcement and Polypropylene Fibers" submitted by S.K.Sai Chandra to the Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, in partial fulfillment for the award of the degree of Masters of Technology in Structural engineering is a bona fide record of project work carried out by him/her under my/our supervision. The contents of this Report, in full or in parts, have not been submitted to any other Institution or University for the award of any degree or diploma.

Ms.K.Hemalatha

**Assistant Professor** 

Dept. of Civil Engineering

**GRIET** 

Dr. V. Mallikarjuna Reddy

Professor

Dept. of Civil Engineering

**GRIET** 

21/8/22 Dr. C. Lavanya

Head of Department

Dept. of Civil Engineering

**GRIET** 

**External Examiner**