STUDY OF SEISMIC RESPONSE OF BASE ISOLATED RC BUILDING WITH TUNED MASS DAMPER

A mini project report submitted in partial fulfilment for the Degree of

Master of Technology

in

Structural Engineering

by

DURGAM NISHIPRIYA

Roll No. 20241D2002

Under the esteemed guidance of

Dr. Atulkumar A Manchalwar

Associate Professor of Civil Engineering

DEPARTMENT OF CIVIL ENGINEERING



(Autonomous under JNTUH)

Bachupally, Kukatpally, HYD - 500090

October, 2021

CERTIFICATE

This is to certify that the project report entitled "Study of Seismic Response of Base Isolated RC Building with Tuned Mass Damper" submitted by Durgam Nishipriya (20241D2002) in partial fulfilment for the award of Master of Technology in Structural Engineering to the Gokaraju Rangaraju Institute of Engineering and Technology is a record of bonafide work carried out by her under my guidance and supervision.

Signature of Guide

Dr. Atulkumar A Manchalwar Associate Professor Department of Civil Engineering GRIET, Hyderabad Signature of the HOD

Dr. V. Mallikarjuna Reddy
Professor & HOD
Department of Civil Engineering

GRIET, Hyderabad

EXTERNAL EXAMINER