

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**"Jnana Sangama", Belagavi – 590018**



**An Internship Report**

**On**

**"CONSTRUCTION OF RETAINING WALL FOR COMMERCIAL BUILDINGS"**

**Submitted in partial fulfillment of the requirements for the award of degree of**

**BACHELOR OF ENGINEERING IN CIVIL ENGINEERING**

**Submitted by:**

**Mr. KARTHIK G**

**(1SV18CV019)**

**Internship was carried out at**

**"HNS CONCRETES", Sneha, Opposite BCM Hostel, Garden Road,**

**Tumkuru-572106**

**INTERNAL GUIDE**

**Dr. G. Mahesh Kumar.PH.D**

**Head and Professor,**

**Dept. of Civil Engineering,**

**EXTERNAL GUIDE**

**Mr. Shreekumar Menon**

**Senior Engineer**

**RMC plant at HNS INFRA, Tumkuru**



**DEPARTMENT OF CIVIL ENGINEERING**

**SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**(An ISO 9001:2015 Certified Institution)**

**TUMKUR – 572106, KARNATAKA (2021-2022)**

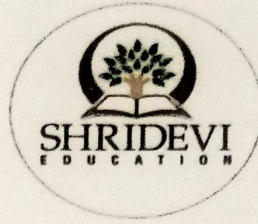


# SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An ISO 9001: 2015 Certified Institution)

Sira Road, Tumkuru-572106

## DEPARTMENT OF CIVIL ENGINEERING



### CERTIFICATE

This is to certify that this internship report of Internship on topic entitled "CONSTRUCTION OF RETAINING WALL FOR COMMERCIAL BUILDING" has been carried out by **KARTHIK G** bearing **USN: 1SV18CV019** in partial fulfillment of the requirements for the award of **Bachelor of Engineering in Civil Engineering** from Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements in respect of internship topic prescribed for the Bachelor of Engineering.

Signature of Internal Guide

**Dr. G. MAHESH KUMAR**

Head and Professor

Dept. of Civil Engineering

Signature of HOD

**Dr. G. MAHESH KUMAR.**

Head and Professor

Dept. of Civil Engineering

Signature of External Guide

**Mr. SHREEKUMAR MENON**

Senior Engineer

RMC plant at HNS INFRA, TUMKUR

Signature of Principal

**Dr. NARENDRA VISWANATH.**

Principal

SIET, Tumkuru

**External Viva Voce:**

**Name of the Examiners**

- 1) **Dr. C. Nagany**
- 2) **RADHIKA**

**Signature with date**



TO  
THE CONCERNED  
DEPARTMENT OF CIVIL ENGINEERING  
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY  
SIRA ROAD, TUMKUR.



Dear Sir/Madam

This is to inform that, **KARTHIK G** bearing USN **1SV18CV019** of Shridevi Institute Of Engineering And Technology, Tumkur. Studying in 7<sup>th</sup> semester BE(CIVIL) is undergone the Internship Training Program at our project "**RETAINING WALL FOR THE COMMERTIAL BUILDING** " from last 4 weeks i.e 1/09/2021 to 30/09/2021.

For H N S INFRA  
*Binku. S. S.*  
Signature PARTNER

Date: 1/10/2021



## ACKNOWLEDGEMENT

I take this opportunity to convey my deep sense of gratitude to all those who have been kind enough to offer advice and assistance when needed which has led to the successful analysis and design of this project work.

I wish to thank **Dr. M R HULINAYKAR**, Founder and Managing Trustee, SIET Tumkur for providing me the opportunity to carry out my studies in the institution.

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I would like to express my profound sense of gratitude to our institution and management "**SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR**", which has provided me an opportunity in fulfilling my most cherished dream.

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**Mr. KARTHIK G**

**(1SV18CV019)**



## ABSTRACT

The main aim of the practice is to Improve practical skill learnt in class, upgrading the theoretical knowledge in addition to the class, improve their leadership skill, team-work internship program helps to perform both technical tasks and nontechnical tasks which help to improve skill in the design field and who helps to build own personality in the structural engineering field.

Retaining walls are structures that are used to retain earth (or any other material) in a position where the ground level changes abruptly. They can be of many types such as gravity wall, cantilever wall, counterfort wall and buttress wall among others. The 'cantilever wall' is the most common type of retaining wall and is economical heights up to about 8 m. The lateral force due to earth pressure is the main force that acts on the retaining wall which has the tendency to bend, slide and overturn it.