Sri Shridevi Charitable Trust (R.)
ESTD: 2002
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
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Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi

Ref: SIET/CV/INT//2022-2023/ 12

Date: 29/08/2022

To,

Mr. Chidanand Ranganath
Managing Director
Shree Builders
Tumkur 572 101.

Subject: Permission to carry out internship reg..,

Dear sir,

At the outset, we express our heartfelt thanks for permitting the following student to complete the internship at your esteemed organization.

Sl. No	Name of the Student	USN	Mobile No.	Email
1	Amulya P	1SV19CV002	8197218715	ammu29759@gmail.com

In this regard, I am happy to permit the above student to carry out his internship from 22/08/2022 to 10/09/2022 in your esteemed organization & seek your co operation in completing his/her internship successfully.

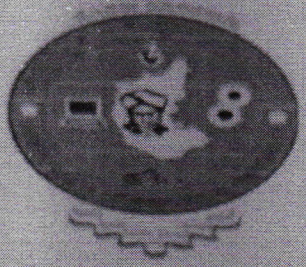
Thanking you & looking forward to your continuous support.

Yours

PRINCIPAL

PRINCIPAL
SIET. TUMKUR.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELAGAVI-590018



INTERNSHIP REPORT

on

"MATERIALS USED AND CONSTUCTION PROPOSAL"

Submitted in partial fulfilment for the award

BACHELOR OF ENGINEERING
IN
CIVIL ENGINEERING

Submitted by:

AMULYA P
(1SV19CV002)

Under the guidance of

Internal Guide
Mrs. RADHIKA T N
Assistant Professor
Dept of Civil Engineering
SIET, Tumkur

External Guide
Mr.CHIDNAND
Assistant Engineer
SHREE BUILDERS
TUMKUR

PRINCIPAL
S... TUMKUR

SHRIDEVI
EDUCATION

DEPARTMENT OF CIVIL ENGINEERING
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
SIRA ROAD, TUMAKUR - 572106
2022-23

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur -572106,
DEPARTMENT OF CIVIL ENGINEERING

SHRIDEVI
EDUCATION

CERTIFICATE

This is to be certified that the report on Internship entitled "MATERIALS USED AND CONSTUCTION PROPOSAL" carried out by AMULYA P (1SV19CV002) bonafide student of **SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR** in partial fulfillment for the award of degree **Bachelor of Engineering in** CIVIL ENGINEERING of VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi during the year 2022-2023. It is certified that all corrections / 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 the curriculum prescribed for the bachelor degree.

Signature of the Internal Guide
Mrs.RADHIKA T N
Assistant Professor
SIET, Tumkur

Signature of the External Guide
Mr. CHIDANAND
Assistant Engineer
SHREE BUILDERS
Tumkur

Signature of the HOD
Dr. G. MAHESH KUMAR
Professor & HOD
Dept. of Civil Engineering
SIET, Tumkur

Signature of the Principal
Dr. NARENDRA VISHWANATH
Principal, SIET, Tumkur

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SIET. TUMKUR.

External viva-voce

Name of the Examiners	Signature with Date
1) Dr. C. Nagaraj	1) C. Nagaraj 22/5/23
2) S N Kattimani	2) 22/5/23

SHREE BUILDERS

GSTIN: 29AERFS5405G1ZM
Gmail: shreebuilders98@gmail.com
Phone:7892534032
Behind Kote Anjeneya Swami Tmple, Old Market Circle, Tumkuru-572101.karnataka.

CERTIFICATE

This is certify that the project entitled is a bonafide work carried out by **Ms.Amulya P** bearing **USN-1SV19CV002,** from **Shridevi Institute of Engineering and Technology**, Tumakuru-572106. She was a part of **SHREE BUILDERS.** As successfully completed her internship from 25th August 2022 to 17th September 2022.

During her period of her internship program with us, she was found punctual and hardworking.

For SHREE BUILDERS

Proprietor

We wish every success in her career.

PRINCIPAL
SIT, TUMKUR.

ABSTRACT

As a part of academic requirement of university, we have to carry out internship programme in an industry set up related to the construction/materials testing laboratories/project management consulting firms or other avenues related to civil engineering domain in consultation, for about one month. The main intention of this programme is to get industrial exposure in terms of structural as well as in construction work. This document represents a set of work done as a part of internship.

We found **SHREE BUILDERS** as one of the good company which offered us for internship. Hence, I am thankful for the **CHIEF ENGINEER OF CHIDANAND RANGANATH,** Tumkur.

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SIET. TUMKUR.

CHAPTER 2

TASK PERFORMED

2.1 PLINTH BRICK MASNORY:

It is a wall between the ground level and the ground floor level. The main function of a plinth in construction is to distribute the load of the columns over the foundation evenly.

Function and objectives of Plinth beam are :-

- It saves buildings by differential settlement which is cause by partial failure of substructure or by the failure of soil on which buildings constructed.
- It provides uniformity to building at plinth level.
- Distributes super structure load uniformly to soil via substructure.

Fig 1 : Plinth Beam

This protection is required for a ground floor house. It is observed that during rainy season water soaks into brick masonry and rises to a considerable height causing dampness to both inside and outside the house.
It is due to the gradual worn out of contact line of brick wall with soil where water /moisture get scope to accumulate. Water sucks up by capillary action of brick itself, by mortar joints, between plaster and brick surface.

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2.5 Shuttering in construction

The strength of a home comes from its concrete. Formwork helps in giving shape and strength to the concrete. Shuttering or formwork is the process of giving support and stability to the concrete before it becomes solid. The shuttering is commonly made using wood and steel. The right way to do shuttering is mentioned below.

Here you'll Know the **shuttering in construction** such as Footing, Slab, and Beam Shuttering Complete Process from Start to End and also know the **shuttering cost.**

Before that, you should know what shuttering is-

Shuttering- When fresh concrete is poured in a structural element, formwork (shuttering) is used to give temporary support until the concrete has set

Fig 8 Shuttering construction

The following are examples of types of formworks used in the structural part of the building such as foundations, columns, slabs, and walls:

- Column Forms – Formwork for RCC Column construction
- Beam Forms – Formwork for RCC Beam construction

Slab Forms – Formwork for construction of RCC Slabs

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