



# SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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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/ 17

Date: 23/08/2022

To.

Mr. N V Ramamurthy  
Chief Executive  
TEKNA-KON  
Tumkur 572102

**Subject:** Permission to carry out internship reg...

Dear sir ,

At the consent, 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	Avinash Naik S	1SV19CV007	9353654653	avinashnaik941@gmail.com

In this regard, I am happy to permit the above student to carry out his internship from 23/08/2022 to 18/09/2022 in your esteemed organization & seek your co operation in completing his/her internship successfully.

Thanking you & looking forward to your continuous support.

Yours

*[Signature]*  
PRINCIPAL

*[Signature]*  
PRINCIPAL  
S.I.E. TUMKUR.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
"JNANA SANGAMA", BELAGAVI-590018



INTERNSHIP REPORT

ON

"CONSTRUCTION OF RESIDENTIAL BUILDING WORK"

Submitted in partial fulfilment for the requirement for the award of degree

**BACHELOR OF ENGINEERING**  
IN  
**CIVIL ENGINEERING**

Submitted by:

**AVINASH NAIK S**  
(ISV19CV007)

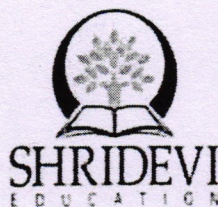
Under the guidance of

**Internal Guide**

**Mr. MANOGNA H N**  
Assistant Professor  
& Dept of Civil Engineering  
SIET, Tumakuru

**External Guide**

**Mr. MOHAMMED RAFI**  
Chief Executive, Engineer  
Samawi Homes

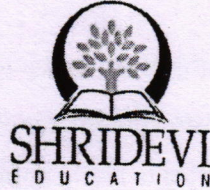


*Mohammed Rafi*  
PRINCIPAL  
SIET, TUMKUR.

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

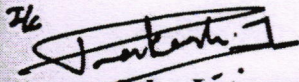
# SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Sira Road, Tumakuru -572106,  
DEPARTMENT OF CIVIL ENGINEERING



## CERTIFICATE

This is to be certified that the report on Internship entitled "CONSTRUCTION OF RESIDENTIAL BUILDING WORK" carried out by Mr. AVINASH NAIK S (1SV19CV007) bonafide student of SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMAKURU in partial fulfilment 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.

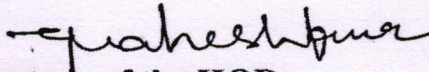


Signature of the Internal Guide

Mr. MANOGNA H N

Assistant Professor

SIET, Tumakuru



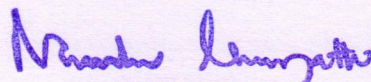
Signature of the HOD

Dr. G. MAHESH KUMAR

Professor & HOD

Dept. of Civil Engineering

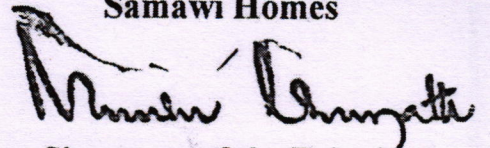
SIET, Tumakuru

  
PRINCIPAL  
SIET, TUMKUR.

Signature of the External Guide

Mr. MOHAMMED RAFI

Chief Executive, Engineer &  
Samawi Homes



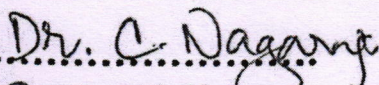
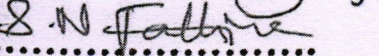
Signature of the Principal

Dr. NARENDRA VISHWANATH

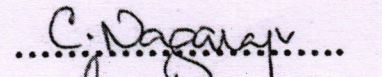
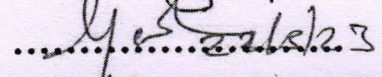
Principal, SIET, Tumakuru

External viva-voce

Name of the Examiners

- 1) 
- 2) 

Signature with Date

  
.....  
  
..... 22/12/23

## 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 **RESIDENTIAL BUILDINGS** as one of the good project which offered us for internship. Hence, I am thankful for the **CHIEF EXECUTIVE ENGINEER , Mr. MOHAMMED RAFI**

*Mohammed Saad*  
PRINCIPAL  
SIE. T. TUMKUR.

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Mr. Avinash Naik S (ISV19CV007) a B.E Civil Engineering student of ShriDevi Institute of Engineering and Technology has successfully completed his internship from our organisation Samawi Homes, from 01<sup>th</sup> September 2022 to 01<sup>th</sup> October 2022 at our Ashiyana villa project site Bangalore under the guidance of Mr. Raju- Project Manager.

During the period of his internship, we found him punctual, hardworking, and inquisitive.

We wish him every success in life.

For Samawi Homes.

FOR SAMAWI HOMES

Mohammed Rafi

Mohammed Rafi

Proprietor

Date: 05-05-2023

Mohammed Rafi

PRINCIPAL  
SIET, TUMKUR.

Samawi Homes

No.153, 1st floor, 1st main Sulthan palya

Bhuvaneshwari nagar, R.T. Nagar

Bangalore 560032, Karnataka

GSTIN: 29CAWPM0671B1ZG

**3.3.2 Coarse Aggregates** - Coarse aggregates refer to irregular and granular materials such as sand, gravel, or crushed stone, and are used for making concrete. In most cases, Coarse is naturally recurring and can be obtained by blasting quarries or crushing them by hand or crushers. Coarse aggregates can be categorized into two main types: natural aggregates and artificial aggregates. Natural aggregates are obtained from various sources such as crushed stone, gravel, and sand deposits. Artificial aggregates are manufactured by crushing and screening various types of rocks, such as basalt, limestone, or granite.

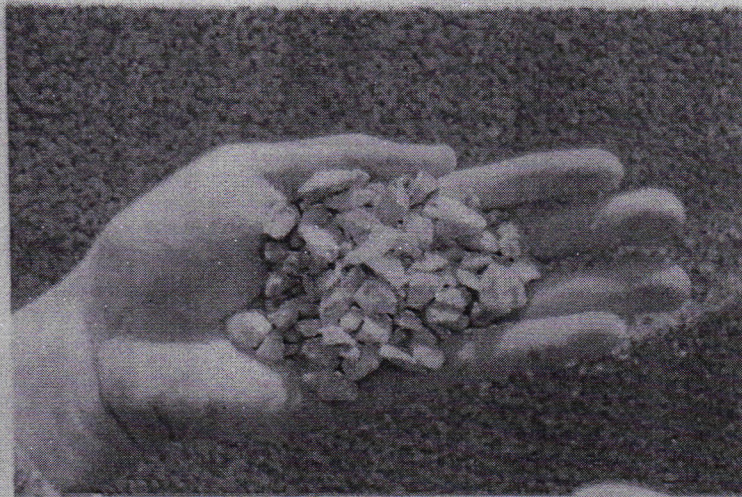


Figure 3.17 : Coarse aggregates

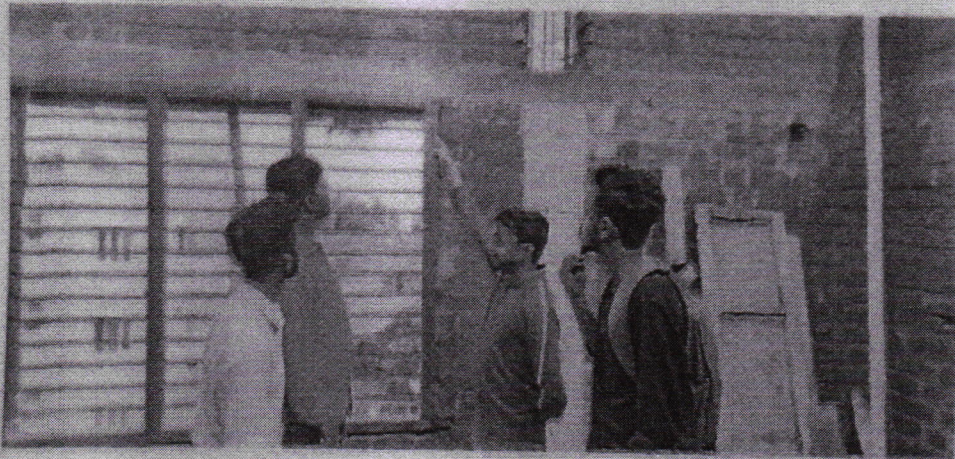
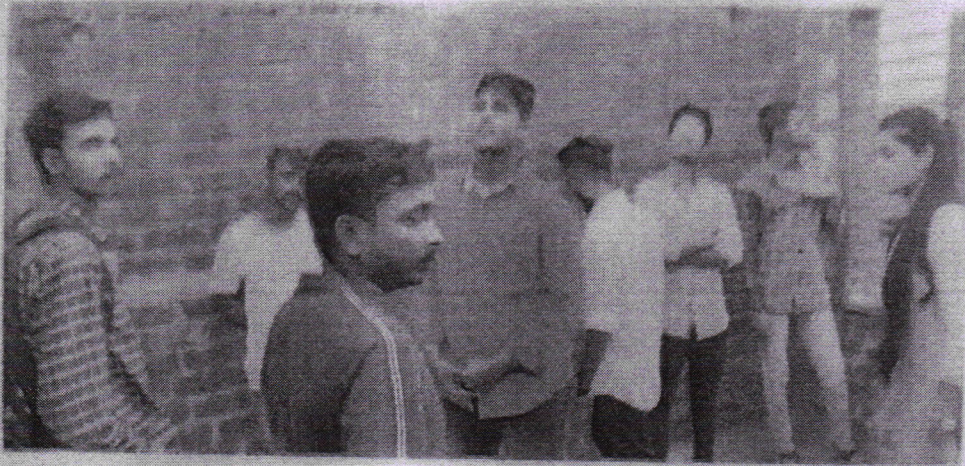
**3.3.3 Cement** - Cement is a vital building material that is used extensively in construction. It is a fine powder made from a mixture of minerals that react chemically with water to form a hard matrix. Here is some information about cement. Cement is produced through a process called clinkerization. The main raw materials used in cement manufacturing are limestone, clay, iron ore, and gypsum. These materials are crushed, ground into a fine powder, and then heated in a kiln at high temperatures to form clinker.



Figure 3.18 : Cement

*Murthy Venkatesh*  
PRINCIPAL  
SIET, TUMKUR.

PHOTO GALLERY OF THE INTERNSHIP



*Nirandha Kumar*  
PRINCIPAL  
SIET, TUMKUR.