Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628
Email: info@shridevienginering.org, principal@shridevienginering.org | Website: www.shridevienginering.org
(Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

Ref: SIET/CV/INT//2022-2023/ 8

Date: 20/08/2022

To,

Mr. Mohan Hiregoudar
Founder Chairman and CEO
Hiregoudar Builders and Developers
Bangalore 560001

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	Srinivas J.	1SV18CV033	8951590240	srinivasjagadeesh5@gmail.com

In this regard, I am happy to permit the above student to carry out his internship from 22/08/2022 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

PRINCIPAL
PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING & TECHNOLOGY
TUMKUR - 572 106

PRINCIPAL
SIET, TUMKUR.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELAGAVI-590018

INTERNSHIP REPORT

on

"STUDY ON CONSTRUCTION OF RESIDENTIAL BUILDING"

Submitted in partial fulfilment for the award

BACHELOR OF ENGINEERING
IN
CIVIL ENGINEERING

Submitted by:

SRINIVAS J
(1SV18CV033)

Under the guidance of

Internal Guide
Mr. PRAKASH J B.E ,M.Tech
Assistant Professor
Dept of Civil Engineering
SIET, Tumkur

External Guide
Mr. LOKESH BM
Engineer
Engineers Contractors
Bangalore

SHRIDEVI
EDUCATION

PRINCIPAL
SIET. TUMKUR.

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 "STUDY ON CONSTRUCTION OF RESIDENTIAL BUILDING" carried out by Ms. SRINIVAS J (1SV18CV033) 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
Mr. PRAKASH J B.E, M.Tech
Assistant Professor
SIET, Tumkur

PRINCIPAL
SIET. TUMKUR.

Signature of the External Guide
Mr. LOKESH BM
Engineer
Engineers Contractors
Bangalore

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

External viva-voce

Name of the Examiners	Signature with Date
1) Dr. C. Nagaraja 22/5/23	C. Nagaraja 22/5/23
2) S. M Prabhu	22/5/23

HIREGOUDAR
BUILDERS & DEVELOPERS PVT. LTD.,

TO WHOME-SO-EVER IT MAY CONCERN

This is to Certify, that **Mr. Srinivas.J USN: 1SV18CV033** a student of **Shridevi Institute of Engineering & Technology, Tumkur**, has successfully completed Internship Programme (**From 21st Aug 2022 to 17th Sep 2022**) at this company. During the Internship Programme with us he was found Punctual, Hardworking & inquisitive.

We are sure that we will bring along with his the same level of professionalism & will be an asset to any organization employing him.

We wish him all the best for future.

Thanking You

For Hiregoudar Builder & Developer Pvt Ltd

For HIREGOUDAR BUILDERS & DEVELOPERS PRIVATE LIMITED

Director.

Mr. Mohan Hiregoudar (CEO & Founder)

PRINCIPAL
SIET, TUMKUR.

CIN : U28999KA2019PTC130048
GSTN : 29AAFCH1335K1ZJ

Regd. Office : Lakshmi Nivas, 1st Floor, West Park Road, Kumar Park East, BANGALORE - 560 001

Branch Office : SBS Building, 1st Floor, Gaurav Developers, Plot No. 7, Opp. to Bharat Gas Agency, Gokul Road, HUBLI - 580 030.
Ph : 0836-3564575, E-mail : hiregoudarbuilders@gmail.com

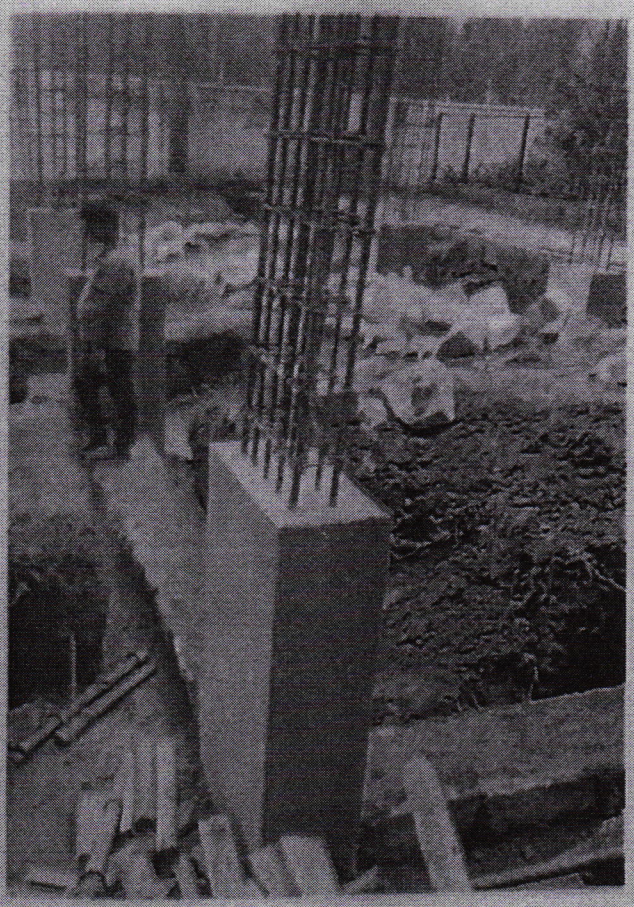
SIZE STONE MASONRY(SSM)

The construction of stones bonded together with mortar is called stone masonry. Stone masonry footing is a structural foundation constructed to support walls.

The purpose of stone masonry foundation is to support structural walls and transfer load to the soil beneath it. It should serve its purpose without settlement or sinking.

The load exerted on stone masonry footing should be vertical. Prior to the construction of stone masonry footing, a trench with depth ranges from 1m to 1.5 m should be excavated.

The width of excavation would be controlled by amount of loads exerted on the footing. So, the width of footing is specified based on the imposed loads and properties of soil on which the footing is constructed. Soil at the bottom of the trench needs to be compacted properly. At this stage, the excavation is ready for the construction of stone masonry footing.



PRINCIPAL
SIET, TUMKUR.

FOUNDATION

A foundation is a lower portion of building structure that transfers its gravity loads to the earth.

Foundations are generally broken into two categories: shallow foundations and deep foundations. A tall building must have a strong foundation if it is to stand for a long time.

To construct a foundation, trenches are dig deeper into the soil till a hard stratum is reached. To get stronger base foundation concrete is poured into this trench. These trenches are incorporated with reinforcement cage to increase the strength of the foundation.

The projected steel rods that are projected outwards act as the bones and must be connected with the substructure above. Once the foundation has been packed correctly the construction of the building can be started.

PROCESS OF FONDATION MARKING

In order to begin digging the trenches required for a building's foundation, first transfer the lines and measurements indicated on foundation plan to the building site. That is, the exact length, width, depth, and position of the foundation trenches must be marked on the ground.

This movement from the plan to the actual site is called setting out. It is probably the most critical step in the entire construction process.

PRINCIPAL
SIET. TUMKUR.

CONCRETING OF COLUMNS:

- Hand mixed concrete with proportion 1:1.5:3 (M25) has been used.
- Manually concrete was poured in layer into the shutter and compacted eachlayer using vibrators.
- Concrete should not be poured above 1m to avoid segregation and morevibration should not be done to avoid segregation and bleeding.
- Checking of plumb while pouring the concrete was also done.

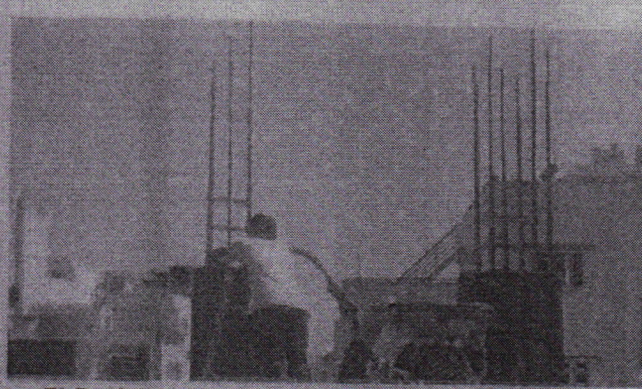


FIG: CONCRETING USING VIBRATOR

FIG: CONCRETE MIX

PRINCIPAL
SIET, TUMKUR.