



**SHRIDEVI**  
EDUCATION

# 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/INI//2022-2023/ 21

Date: 29/08/2022

To,

Mr. Byrappa  
Contractors  
Byrappa Construction Company  
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	Kiran Kumar K S	1SV19CV012	9343531317	kiran123urdkumar@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

*[Handwritten Signature]*  
PRINCIPAL  
29/8/22

*[Handwritten Signature]*  
PRINCIPAL  
SIET, TUMKUR.



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Juana Sangama", Belagavi - 590018



An Internship Report

On

**"CONSTRUCTION OF RESIDENTIAL BUILDING "**

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

**BACHELOR OF ENGINEERING IN CIVIL ENGINEERING**

Submitted by:

**KIRAN KUMAR K S**

(ISVI9CV012)

Internship was carried out at

**GRYC Constructions, First floor, kanchi complex, MG road,**

**Gubbi-572216**

**INTERNAL GUIDE**

**Mr. PRAKASH J M. Tech**

Assistant Professor,

Dept. of Civil Engineering

**EXTERNAL GUIDE**

**Mr. Raghu Chandra G**

Chief Engineer

**GRYC Constructions Tumakuru**



*Narendra Kumar*  
PRINCIPAL  
S.I.T. TUMKUR.

**DEPARTMENT OF CIVIL ENGINEERING**

**SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY (An ISO 9001:2015 Certified Institution) TUMKUR - 572106, KARNATAKA (2022-2023)**



# SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An ISO 9001: 2015 Certified Institution) Sirsa Road, Tumkur-572106

## DEPARTMENT OF CIVIL ENGINEERING



### CERTIFICATE

This is to certify that this internship report of topic entitled " CONSTRUCTION OF RESIDENTIAL BUILDING " has been carried out by Mr. KIRAN KUMAR K S bearing USN: ISV19CV012 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 2022-2023. 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

Mr. PRAKASH J M.Tech

Assistant Professor

Dept. of Civil Engineering

Signature of HOD

Dr. G. MAHESH KUMAR PhD

Professor & Head of Department

Dept. of Civil Engineering

External Viva Voce:

Name of the Examiners

- 1) Dr. C. Nagaraj
- 2) Dr. N. J. ...

Signature of External Guide

Mr. RAGHU CHANDRA G

Chief Engineer

GRYC constructions, Gubbi-572216

Signature of Principal

Dr. NARENDRA VISWANATH.

Principal

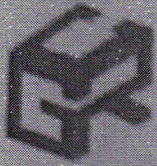
SIET, Tumakuru

PRINCIPAL  
SIET, TUMKUR.

Signature with date

C. Nagaraj 22/5/23  
Dr. N. J. ... 22/5/23





# GRYC CONSTRUCTIONS PRIVATE LIMITED

GRYC CONSTRUCTIONS PRIVATE LIMITED  
BANGALORE  
KARNATAKA  
INDIA

Date: 02/05/2023

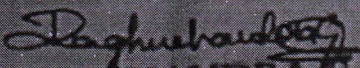
TO WHOMSOEVER IT MAY CONCERN

This is to certify that KIRAN KUMAR K S (ISV19CV012) of B.E. Civil Engineering student of SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, Tumakuru has successfully completed internship on (Date: 22/08/2022 -17/09/2022) "Construction of Residential Building" at GRYC CONSTRUCTIONS Pvt Ltd, Gubbi. During this period of his internship program with us he was found punctual, hardworking and inquisitive.

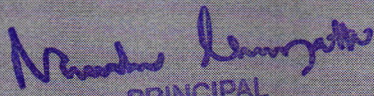
We wish him all the best for future endeavors.

For GRYC CONSTRUCTIONS Pvt Ltd

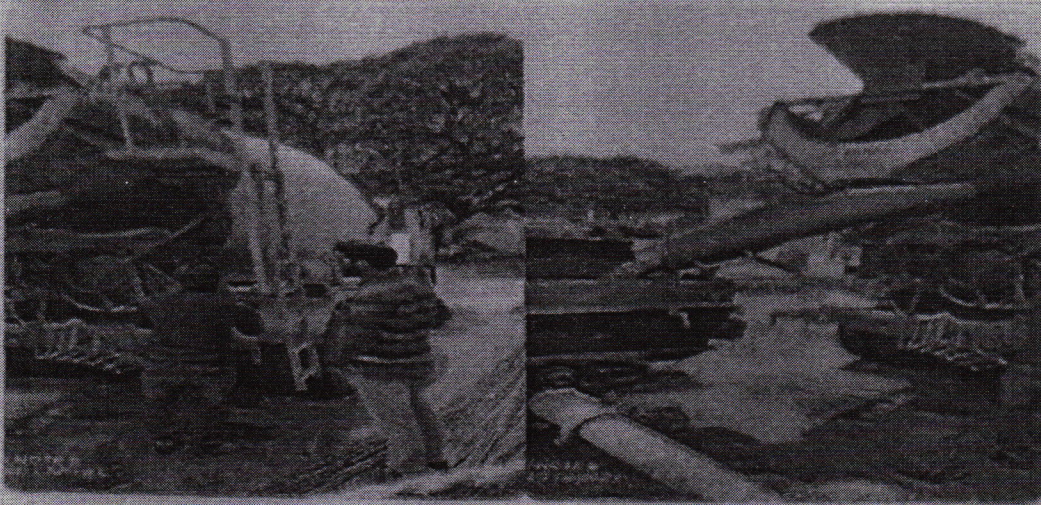
For GRYC CONSTRUCTIONS PVT. LTD.,

  
(RAGHU CHANDRA)  
DIRECTOR

Authorized signature

  
PRINCIPAL  
S. I. TUMIKUR.





### 8.3 Needle Vibrator :

Immersion or needle Vibrators are most commonly used vibrator for concrete. It consists of a steel tube (with one end closed and rounded) having an eccentric vibrating element inside it. This steel tube called poker is connected to an electric motor or a diesel engine through a flexible tube. They are available in size varying from 40 to 100mm diameter. The diameter of the poker is decided from the consideration of the spacing between the reinforcement bars in the form-work. The frequency of vibration varies up to 15000rpm. However range between 3000 to 6000 rpm is suggested as a desirable minimum with an acceleration of 4g to 10g.



Fig8.3 Needle vibrator

*Murthy Kumar*  
PRINCIPAL  
S.I.E.T. TUMKUR.

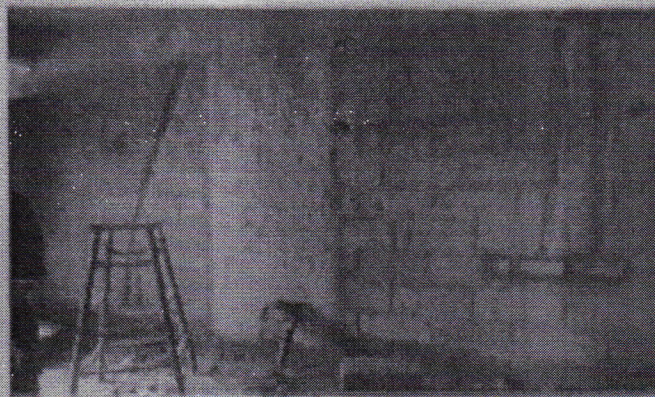




Fig. 8.5.2 Bull mark transferring



Fig. 8.5.3 Bull marking on ceiling



### 8.5.3. CEILING PLASTRING

The slab surface checked and cleaned. Mixture of cement and sand in the ratio 1:4 of 12mm thickness is done for ceiling plastering and mixed with water it is done after bull marking.



Fig8.5.3 Ceiling plastering

*Narasimha Lakshminarayana*  
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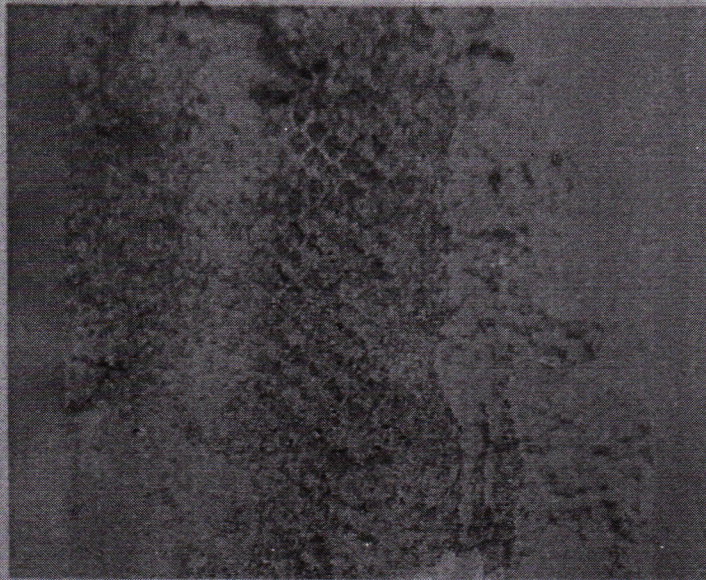


Fig 8.5.5 mesh fixing

### 8.5.6. CORNER BEADING

A vertical perforated metal strip used to protect the external angle of two intersecting wall surfaces: it is applied prior to plastering.



Fig8.5.6 Corner Beading

*M. Srinivas Kumar*  
PRINCIPAL  
S.I.E.T. TUMKUR.