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
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Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

ESTD. 2002 — 20 YEARS — Academic Excellence

Ref: SIET/CV/INT//2022-2023/ 27 Date: 20/08/2022

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	Praveen Kumar	1SV19CV018	7899428289	praveenkumarc169@gmail.com

In this regard, I am happy to permit the above student to carry out his internship from 21/08/2022 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.

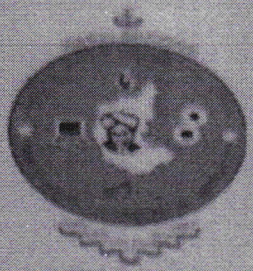
Yours

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

PRINCIPAL
SIET. TUMKUR.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANASANGAMA", MACHHE, BELAGAVI-590018, KARNATAKA



2022-2023

Internship Report

on

CONSTRUCTION ACTIVITIES IN RESIDENTIAL BUILDING

Carried out in

PRERANA CONSTRUCTION COMPANY

Submitted in fulfillment for the award of degree

BACHELOR OF ENGINEERING
IN
CIVIL ENGINEERING

Submitted by:

PRAVEEN KUMAR

(1SV19CV018)

Under the guidance of:

Internal Guide:
Mr. Manogna H N
Assistant Professor
Dept. of Civil Engineering
SIET, Tumakuru

External Guide:
Mr. Raghavendra hitnal
Site Engineer
Prerana Construction Company, Koppal.

SHRIDEVI EDUCATION

PRINCIPAL
SIET, TUMKUR.

DEPARTMENT OF CIVIL ENGINEERING
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Affiliated to Visvesvaraya Technological University, Belagavi)
Sira Road, Tumakuru–572106 KARNATAKA

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An ISO 9001:2000 Certified Institution)

Sira Road, Tumakuru – 572106.

SHRIDEVI
EDUCATION

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that a Internship project report on entitled **"CONSTRUCTION ACTIVITIES IN RESIDENTIAL BUILDING "** has been successfully carried out by **PRAVEEN KUMAR (1SV19CV018)**, student of **Shridevi Institute of Engineering and Technology, Tumakuru-572106,** in partial fulfillment of internship project for the award of Bachelor of Engineering in Civil Engineering of the **Visvesvaraya Technological University, Jnana Sangama, Belagavi -590018** during the academic year **2022-2023**. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the Department library. There port has been approved as it satisfies the academic requirement in respect of project on current topic prescribed for B.E Degree.

Signature of the Guide	Signature of the HOD	Signature of the Principal
Mr. Manogna H N	**Dr. G Mahesh Kumar**	**Dr. Narendra Viswanath**
Assistant Professor	Professor and Head	Principal
Dept. of Civil Engineering	Dept .of Civil Engineering	SIET,Tumakuru.
SIET, Tumakuru	SIET, Tumakuru.	

External Viva

Name of the Examiners	Signature with date
1 Manogna H.N.	23/5/23
2 S.N. Fattar	23/5/23

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N : 29AAWFP8143P1ZO

Cell : 9900067170

PRERANA CONSTRUCTION

No. 401, Hitnal Main Road, HITNAL-583 234, Tq. &. Dist. Koppal, Karnataka

Date :

is is to certify that Mr: PRAVEENKUMAR student with USN: ISV19CV018 udying in Shridevi Institute of Engineering & Technology, sira road, mkur-572106.

udying in 8 semester BE in Civil Engineering having successfully mpleted
ternship as part of BE program of VTU for period of 4 weeks from 3/08/2022 to 24/09//2022.

uring the period of their stay for internship work, they have undergone aining at CC work, Wall Work, Lintel and Chajja work & gained the actical
owledge of construction work which are in the progress & made them work
n an ongoing project for analyzing the components of construction ork.

ney completed their internship work satisfactorily during their stay in ur company.

PRINCIPAL
SIET. TUMKUR.

Signature

For Prerana Construction

Prerana Construction Hitnal Main Road To & Dt. Koppal-583234

Maximum of 4 and minimum of 2 benchmarks are marked in the corner for the measurement of level. These benchmarks are marked on permanent structures like, plinth, road ortree.

The tracing is marked by limepowder. With the reference of drawing andbenchmarks the depth of the excavation is fixed.

Fig 5.2: Excavation at Site

- Excavation is done by manual or machine means depending on the availability.
- The excavated soil is to either removed out the site or stocked around the excavation pit. Minimum of 1m distance must be maintained between the stocking of excess soil and pit, so that due to rain or other forces the soil should not sweep into the pits.
- Dressing of excavated pits is to be done as specified in the drawings.
- If the site is located in loose soil area, proper shoring must be done to hold theloose soil.
- Construction of dewatering wells and interconnecting trenches are to provide ifneeded.
- All the sides of the building must be sealed for the safety purpose.

STRUCTURAL DETAILING

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A. DETAILING OF FOOTING

Foundations are of types like isolated footing, combined footing, stripfooting, raft footing,

pile foundations etc. Reinforcement detailing of footing is as much important as site investigation for the type of footing and structural design offooting and the depth of footing is 1m to 1.5 m

B. REINFOCEMENT COVER

The minimum thickness to main reinforcement in footing should be less Than 50mm, footing is in contact with earth surface directly, and 40mm for externalexposed face Such as surface leveling PCC. The minimum cover to reinforcement Is 75mm whether resting on PCC or directly on earth surface.

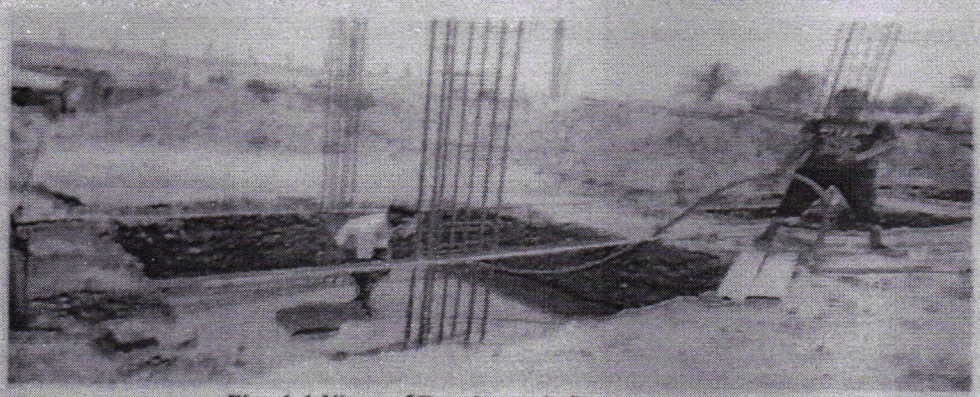

Fig: 6.1 View of Footing reinforcement at site

C. DETAILING OF COLUMN

A Column is a very important component in a structure. It is like legs on which a structure stands. It is designed to resist axial and lateral forces and transfer them safely to the footing in the ground. Columns support floors in a structure. Slabs and beams transfer the stresses to the columns. So, it is important to design strong columns.

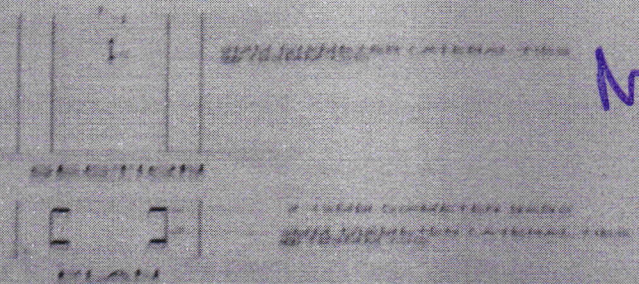

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Fig 6.2 Reinforcement Cement Concrete Column Plan and Section