



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9696114899 | Telefax: 0816 - 2212628

SHRIDEVI EDUCATION Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org



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

Ref: SIET/CV/INT//2022-2023/ 10

Date: 19/08/2022

To

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

Subject: Permission to carry out internship reg...

Dear sir,

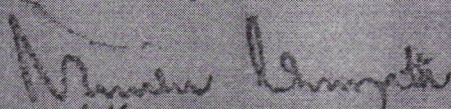
At the consent, we express our heartfelt thanks for permitting the following student to complete the internship at your esteemed organization.

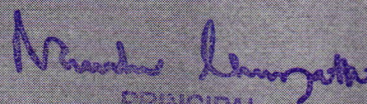
Sl. No	Name of the Student	USN	Mobile No.	Email
1	Vitthal Rudrappa Hanamannavar	1SV18CV037	8217228687	vitthal051998@gmail.com

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
SIET, TUMKUR.

SHRIDEVI INSTITUTE OF
ENGINEERING & TECHNOLOGY
TUMKUR - 572106

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELAGAVI – 590014



An Internship Report

on

RESIDENTIAL BUILDING

Submitted in partial fulfillment of the requirement for the award of degree of
BACHELOR OF ENGINEERING IN CIVIL ENGINEERING

Submitted By:

VITTHAL RUDRAPPA HANAMANNAVAR

(1SV18CV037)

Internship Carried Out

At

Mr. PRADEEP M , B.E, (CIVIL)

Managing Director

Sparktech Innovations

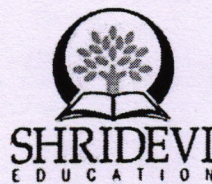
Tumakuru

N. Srinivas Kumar
PRINCIPAL
S.I.T. TUMKUR.

INTERNAL GUIDE

Dr. C NAGARAJA

Professor
Dept. of Civil Engineering
SIET, Tumakuru



EXTERNAL GUIDE

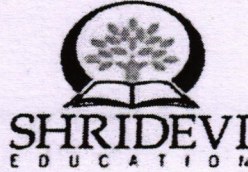
Mr. PRADEEP M , B.E, (CIVIL)

Managing Director
Sparktech Innovations
Tumakuru

DEPARTMENT OF CIVIL ENGINEERING
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
TUMAKURU – 572106, KARNATAKA
2022-2023

SHRI DEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumakuru -572106

DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that this internship report of Internship on topic entitled "RESIDENTIAL BUILDING" has been successfully carried out by VITTHAL RUDRAPPA HANAMANAVAR (ISV18CV037) 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.

C. Nagaraja

Signature of the internal guide

Dr. C NAGARAJA

Professor

Dept. of Civil Engineering

SIET, Tumakuru

Narendra Viswanath

Signature of the Principal

Dr. NARENDRA VISWANATH

Principal

SIET, Tumakuru

G. Mahesh Kumar

Signature of the H.O.D

Dr. G. MAHESH KUMAR

Professor & HOD

Dept. of Civil Engineering

SIET, Tumakuru

Narendra Viswanath
PRINCIPAL
SIET, TUMKUR.

External Viva Voce:

Name of the examiners

Dr. C. Nagaraja
S. N. Fatima

Signature with Date

C. Nagaraja - 22/5/23
S. N. Fatima - 22/5/23

ABSTRACT

India is a developing country which has given more importance for improving the infrastructure in the entire nation. As a result the cities are becoming more developed with complete infrastructure facilities such as improvement in transportation, metro railways, etc.

Mr. PRADEEP M, Managing Director, Sparktech Innovations, Tumakuru. Our business role is based on providing civil works related services to the engineer disciplines like civil industries. P.W.D works. Based on the requirement of our customers we explore the challenges in works to satisfy their needs. There is a great need for civil construction based industries at present to deal with our services, in addition to these services. We work not only for the profit but also for the smiles the highest price we can get. We work for the ultimate satisfaction of the customers through engineering services. We attain win-win situations for technical know-how's. Under our company we are supporting for the outsourced civil drawing from both materials and construction. Based on their requirement some correction and modifications will be done in the corresponding works. For civil projects starting from the scheme plan to the final interior design we are providing the models based on customer requirement.

Pradeep M
PRINCIPAL
S.I.E.T. TUMKUR.

SPARKTECH INNOVATIONS

Renuka Nilaya, Shiva Nagar, 2nd Cross, Channappa palya, Upparahally,
TUMKUR-02


Mobile: 8904892715


Email: spark.tmk@gmail.com

CERTIFICATE

Date: 19.09.2022

This is to certify that the Internship work entitled "Residential Building" done by VITTHAL RUDRAPPA HANAMANNAVAR bearing USN NO. 1SV18CV037 from SRIDEVI INSTITUTE OF ENGINEERING COLLEGE, TUMKUR during September 21.08.2022 to 18.09.2022 was successfully completed under the supervision and guidance at our company


PRINCIPAL
SIET, TUMKUR.


19/09/22
Managing Director
SPARKTECH INNOVATIONS (P)
2nd Cross, Shiva Nagar,
Channappa Palya, Tumkur

7.2 PLINTH BEAM:

7.2.1 Purpose of Plinth Beam in a Building.

Plinth beam is provided to prevent the extension or propagation of cracks from the Foundation into the wall above when the foundation suffers from distributes the load of the Wall over the foundation evenly.

7.2.2 Applications of Plinth Beam:

It is mandatory to provide plinth beam in areas that prone to earthquake.

Construction of plinth beam above the natural ground is another application of this type of Beam.

7.2.3 Concrete Strength Suitable for Plinth Beam Construction:

Strength of plinth beam concrete shall not be smaller than 20MPa. If concrete is mixed Manually, then an extra of 20% cement need to be added to the mixture. Figure 3 show Plinth beam concrete preparation placement.

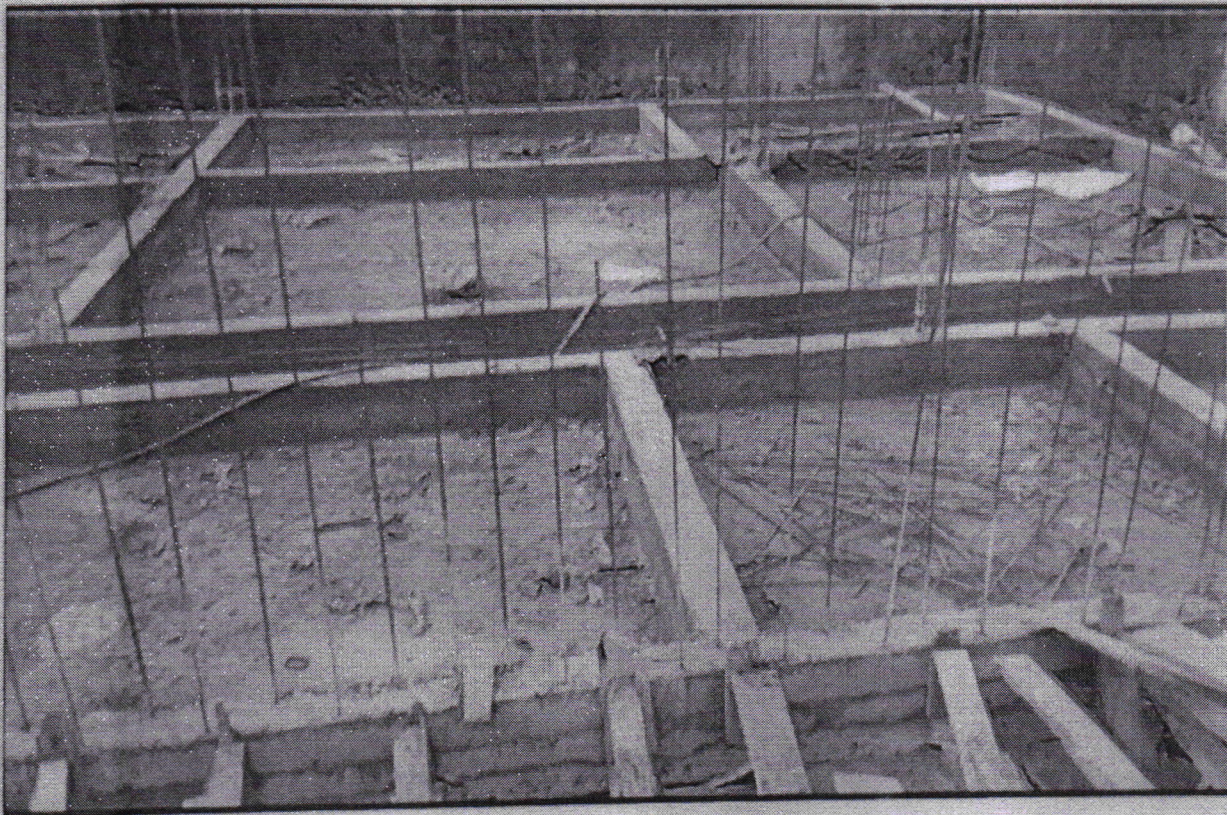


Fig.7: Plinth Beam

Nanda Kumar
PRINCIPAL
SIET, TUMKUR.