

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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SHRIDEVI

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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/2022-2023/36

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	Tarun D Hotakar	1SV19CV030	8147906521	tarunhotakar037@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.

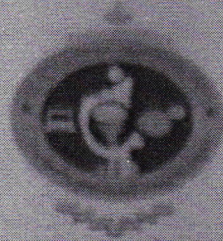
Thanking you & looking forward to your continuous support.

Yours

PRINCIPAL

PRINCIPAL
SIET, TUMKUR.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELAGAVI - 590014



An Internship Report

on

STUDY ON CONSTRUCTION OF RESIDENTIAL BUILDING

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

Submitted By:

TARUN HOTAKAR

(ISVI9CV030)

Internship Carried Out

At

Mr. PRADEEP M
Managing Director,
Sparktech Innovations
Tumakuru

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

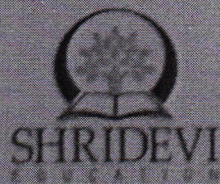
INTERNAL GUIDE

Dr. C NAGARAJA

Professor

Dept. of Civil Engineering

S.I.T. Tumakuru



EXTERNAL GUIDE

Mr. PRADEEP M

Managing Director

Sparktech Innovations

Tumakuru

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

2022-2023

SHRIDEVI 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 "STUDY ON CONSTRUCTION OF RESIDENTIAL BUILDING" has been successfully carried out by TARUN HOTAKAR (1SV19CV030) 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

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

Narendra Viswanath
PRINCIPAL
SIET, TUMKUR.

External Viva Voce:

Name of the examiners

1. Mangya H.N.

S. N. Fatima

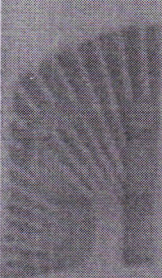
Signature with Date

Narendra Viswanath
22/10/23

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. 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.E.I. TUMKUR.



SPARKTECH INNOVATIONS

Repuka Nilaya, Shiva Nagar, 2nd Cross, Channappana playa, Upparahally,
TUMKUR-02

Mobile: 8904892715

Email: sparktech@gmail.com

CERTIFICATE

Date: 19.09.2022

This is to certify that the Internship work entitled "Study on Construction of Residential Building" done by TARUN HOTAKAR bearing USN NO. ISVI9CV030 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

Murthy Kumar

PRINCIPAL
S.I.E. TUMKUR.

Ravi 19/9/22

Managing Director

SPARKTECH INNOVATIONS (P)
2nd Cross, Shiva Nagar,
Channappana Playa, Tumkur

Generally, the size of the footing mainly depends on the bearing capacity of soil. During execution of work, the actual bearing capacities of the soils should be checked at the site and approval for the same has to be taken from the structural consultant.

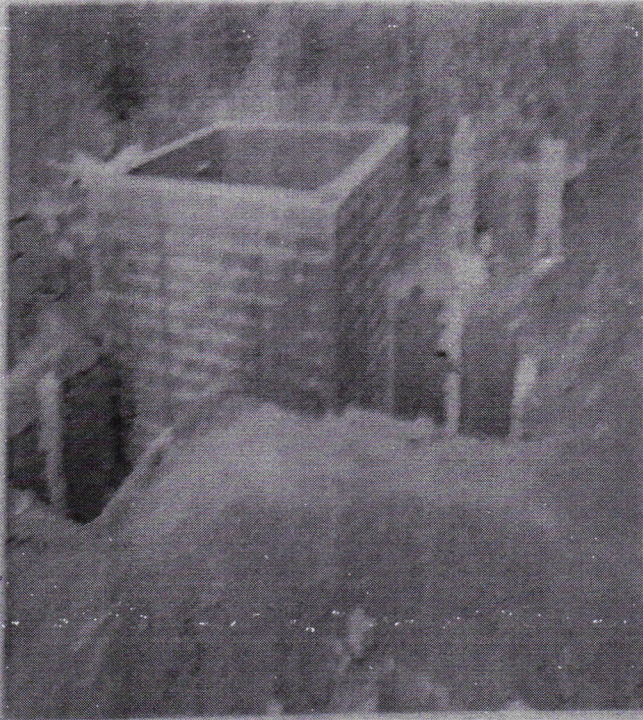
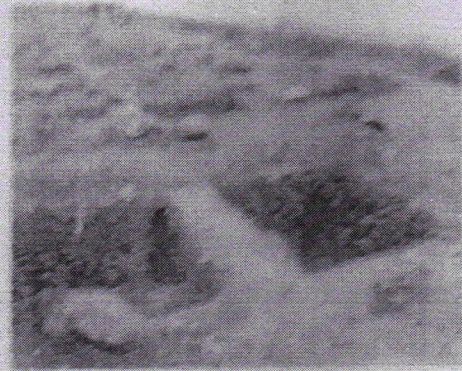


Fig 2.9 Showing Excavation

N. Srinivas Kumar
PRINCIPAL
SIET, TUMKUR.

2.11 FOUNDATION

Foundation is the element of a structure which connect sit to the ground, and transfers loads from the structure to the ground. Foundations are generally considered either shallow or deep.

Foundations are mainly divided into two categories

a) **Shallow foundation:** A Shallow foundation is a type of foundation that transfers building loads to the earth very near to the surface layer rather than to a subsurface layer or a range of depth as dose a deep foundation.

b) **Deep foundations:** A Deep foundation is a type of foundation that transfers building loads to the earth farther down from the surface than a shallow foundation dose to a surface layer or a range of depth.

Foundations for residential building

For residential buildings with one or two floors, isolated reinforced pad foundations are suitable. For single story buildings, reinforced concrete strip foundations are suitable.



Fig 2.11 Showing foundation details for residential building