



# 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/INT/2022-2023/4

Date: 23/08/2022

To,

Mr. Chethan Kumar D.G  
Engineers and contracts  
Chethan Architects  
Tumkur 572101

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	Devika K. Patil	1SVI8CV012	9035728164	devikakpatil123@gmail.com

In this regard, I am happy to permit the above student to carry out his internship from 23/08/2022 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

*M. Srinivas*  
PRINCIPAL  
23/8/22

*M. Srinivas*  
PRINCIPAL  
SIET, TUMKUR.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
"JNANA SANGAMA", BELAGAVI-590018



INTERNSHIP REPORT

on

"CONSTRUCTION OF RESIDENTIAL BUILDING"

Submitted in partial fulfilment for the award

**BACHELOR OF ENGINEERING**  
IN  
**CIVIL ENGINEERING**

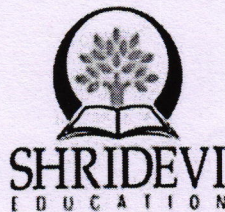
Submitted by:

**DEVIKA K PATIL**  
(1SV18CV012)

Under the guidance of

**Internal Guide**  
**Dr. NAGARAJA C**  
Professor  
Dept of Civil Engineering  
SIET, Tumakur

**External Guide**  
**Mr. CHETHAN KUMAR D.G**  
Engineer  
Engineers Contractors  
Tumakur



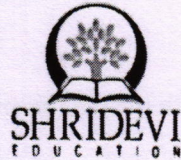
*Narendra Kumar D.G*  
PRINCIPAL  
SIET, TUMKUR.

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



CERTIFICATE

This is to be certified that the report on Internship entitled "CONSTRUCTION OF RESIDENTIAL BUILDING" carried out by Ms. DEVIKA K PATIL (1SV18CV012) 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.

*C. Nagaraja*

Signature of the Internal Guide

Dr. NAGARAJA C

Professor

SIET, Tumakur

*Chethan Kumar D.G.*

Signature of the External Guide

Mr. CHETHAN KUMAR D.G

Engineer

Engineers Contractors

Tumakur

*G. Mahesh Kumar*

Signature of the HOD

Dr. G. MAHESH KUMAR

Professor & HOD

Dept. of Civil Engineering

SIET, Tumakur

*Narendra Viswanath*

Signature of the Principal

Dr. NARENDRA VISWANATH

Principal, SIET, Tumakur

*Narendra Viswanath*

PRINCIPAL  
SIET, TUMKUR.

*Dr. C. Nagaraja*  
*S. K. Fatima*

External viva-voce

Name of the Examiners

*C. Nagaraja, 22/5/23*  
*S. K. Fatima, 22/5/23*

Signature with Date

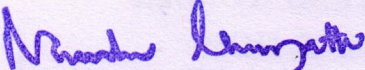
## ABSTRACT

The growing of population had to deal with the community buildings to manage land requirement. The planning of storage building by using norms and measurement design structure of storage building with reference to the National Building Code.

The main criteria for construction of a community building is to ensure the group housing and required social needs. The design is carried out by focusing on the safety of the structure. Storage building of design should be analysis done by the STAAD Pro, software for truss membrane of above dome structure and effectively way

BM and SF be calculated mainly. Finite element analysis which includes the effect of dynamic load such as wind effect, earth quake effect and different types of loads are acting to building. As completion of storage building design main thing is analysis part by using different ways like manually or software's.

Now-a-days most of the people are using software's for analysis part because it consumes less time. As a part of STAAD Pro & ETABS are most user-friendly software tool for analysis, and can easily modified. This paper is brief on designing of the building in more effective way for analysis using a software Staad Pro. The requirements of the multi storage building and commercial building are compared to attain required strength.

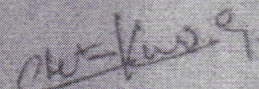
  
PRINCIPAL  
S.I.E.T. TUMKUR.


THE CONCERNED  
DEPARTMENT OF CIVIL ENGINEERING  
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY  
SIRA ROAD, TUMKUR

Dear Sir/Madam

This is to inform that, Devika K Patil bearing USN 1SV18CV012 Shridevi Institute of Engineering and Technology, Tumakuru. Studying in 7<sup>th</sup> semester BE(CIVIL) is undergone the Internship Training Program at our project "Residential Buildings" from last 4 weeks i.e. 23/08/2022 to 17/09/2022.

Date: 23/08/2022

  
Signature

  
PRINCIPAL  
SIR T. TUMKUR.

### 3.7 MASONRY WALL:

A 3-meter masonry wall is erected using solid blocks of size (400mm x 200mm x 200mm) or of size (190mm x 90mm x 90mm) as per requirement.



Fig. 21 Masonry wall.

### 3.8 PLASTERING WORK

Plasterwork is construction or ornamentation done with plaster, such as a layer of plaster on an interior or exterior wall structure, or plaster decorative mouldings on ceilings or walls. This is also sometimes called pargeting. The process of creating plasterwork, called plastering or rendering, has been used in building construction for centuries. For the art history of three- dimensional plaster.

Tools and materials used in Plastering: