



Ref: SIET/CV/INT/2022-2023/ 11

Date: 30/08/2022

To.

Assistant Executive Engineer

PWD

Urban Sub division

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	Aliya Tabassuma	1SV19CV001	9632273070	tabassumaliya546@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

*M. Srinivas Kumar*  
 PRINCIPAL  
 PRINCIPAL  
 SHRIDEVI INSTITUTE OF  
 ENGINEERING & TECHNOLOGY  
 TUMKUR - 572 106  
 1/9/22

*M. Srinivas Kumar*  
 PRINCIPAL  
 SIET, TUMKUR.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
"JNANA SANGAMA", BELAGAVI-590018



INTERNSHIP REPORT

on

"CONSTRUCTION OF PILE FOUNDATION BRIDGE"

Submitted in partial fulfilment for the award

**BACHELOR OF ENGINEERING  
IN  
CIVIL ENGINEERING**

Submitted by:

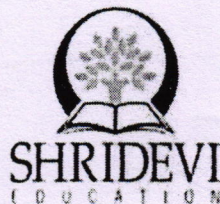
ALIYA TABASSUM

(1SV19CV001)

Under the guidance of

**Internal Guide**  
Mr. MANOGNA H N  
Assistant Professor  
Dept of Civil Engineering  
SIET, Tumkur

**External Guide**  
Mr. PRADEEP KUMAR  
Assistant Engineer  
PWD, TUMKUR



*Pradeep Kumar*  
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**



**SHRIDEVI  
E D U C A T I O N  
CERTIFICATE**

This is to be certified that the report on Internship entitled "CONSTRUCTION OF PILE FOUNDATION BRIDGE" carried out by Ms. ALIYA TABASSUM(1SV19CV001) 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.

26

Signature of the Internal Guide

**Mr. MANOGNA H N  
Assistant Professor  
SIET, Tumkur**

Signature of the HOD

**Dr. G. MAHESH KUMAR  
Professor & HOD  
Dept. of Civil Engineering  
SIET, Tumkur**

  
**PRINCIPAL  
SIET, TUMKUR.**

Signature of the External Guide

**Mr. CHETHAN KUMAR D J  
Assistant Engineer  
Residential building  
Tumkur**

Signature of the Principal

**Dr. NARENDRA VISWANATH  
Principal  
SIET, Tumkur**

**External viva-voce**

**Name of the Examiners**

- 1) Dr. C. Nagaraj
- 2) S.N. Fathima

**Signature with Date**

- 1) C. Nagaraj 22/5/23
- 2) S.N. Fathima 22/5/23

## ABSTRACT

As a part of academic requirement of university, we have to carry out internship programme in an industry set up related to the construction/materials testing laboratories/project management consulting firms or other avenues related to civil engineering domain in consultation, for about one month. The main intention of this programme is to get industrial exposure in terms of structural as well as in construction work. This document represents a set of work done as a part of internship.

We found **PILE FOUNDATION BRIDGE** as one of the good project which offered us for internship. Hence, I am thankful for the **ENGINEER OF PRADEEP KUMAR** , Tumkur.

*Pradeep Kumar*  
PRINCIPAL  
SIL T. TUMKUR.



GOVERNMENT OF KARNATAKA

TELEPHONE : 0816-2005661

OFFICE OF THE ASSISTANT EXECUTIVE ENGINEER  
PWD TUMKUR URBAN SUB-DIVISION,  
TUMKUR -572101.

Email. acepwdtowntmk@gmail.com

Ref No : AEE/PWD/TOWN/TMK/INTERNSHIP/2023-24/37 Date: 21/04/2023

TO WHOME SOEVER IT MAY CONCERN.

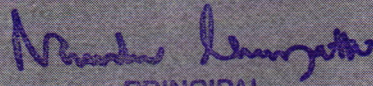
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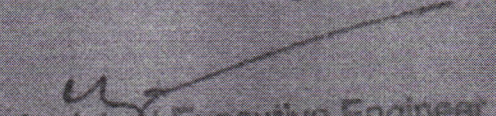
This is to certify that, Mis Aliya Tabassum (USN: 1SV19CV001) Undergoing B.E 8<sup>TH</sup> Sem Civil Engineering from Sri Shridevi Institute of Engineer Technology has successfully completed his internship at Public Works Department Tumkur Urban Sub Division, Kunigal Road, Tumkur as per his curriculum requirement from 28<sup>th</sup> August 2022 to 10<sup>th</sup> September 2022.

She has been found sincere and hard working to the best of our knowledge & Satisfaction during his tenure over here.

We wish him all the best for his future endeavors.

Authorized Signature

  
PRINCIPAL  
SIET, TUMKUR.

  
Assistant Executive Engineer  
P.W.D. City Sub Division,  
TUMKUR - 572 102.

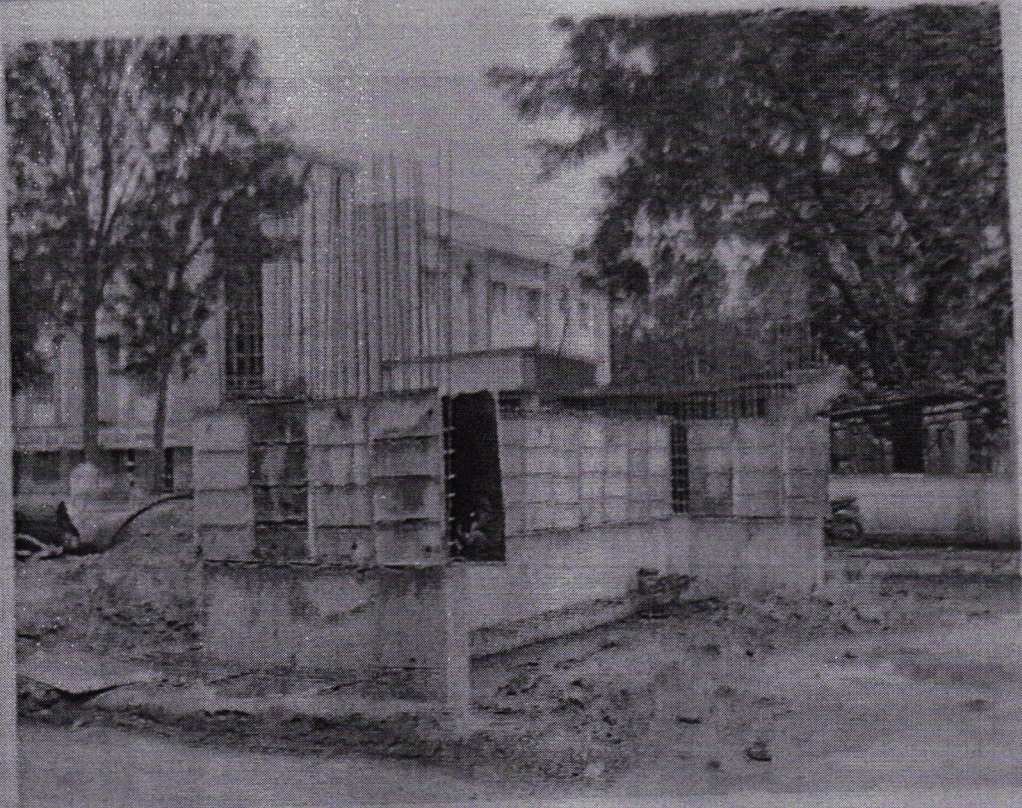


Fig.6: Girders construction

### STATIC PILE LOAD TEST:

Static load tests on foundation piles are generally carried out in order to determine load displacement characteristics.

#### IMPORTANCE:

- The Static Loading Test (SLT) is the most definitive method of determining load capacity of a pile.
- Testing a pile to failure provides valuable information to the design engineer for recommendation prior to foundation design.
- The test permits the selection of both the optimum pile foundation and the design load.

The SLT may be carried out for the following load configurations:

- Axial compression (ASTM D1143)
- Axial tension (ASTM D3689)
- Lateral (ASTM D3966)

Requirements for Static Load Tests are:

- Detailed subsurface information program

*N. Srinivas Kumar*  
PRINCIPAL  
SIET, TUMKUR.

Picture

gallery:



*M. Srinivas Kumar*  
PRINCIPAL  
SIET, TUMKUR.

