

SHRIDEVI
EDUCATION

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

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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/ 39

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 outset, 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	Gagana N	1SV20CV400	7624865240	gaganan10017@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.

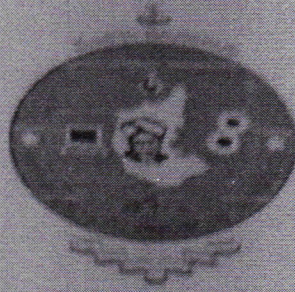
Thanking you & looking forward to your continuous support.

Yours

Murthy Kumar
PRINCIPAL
PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING & TECHNOLOGY
TUMKUR - 572106
1/9/22

Murthy Kumar
PRINCIPAL
SIET, TUMKUR.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELAGAVI-590018



INTERNSHIP REPORT

on

"PROPOSED CONSTRUCTION OF PILE FOUNDATION BRIDGE"

Submitted in partial fulfilment for the award

**BACHELOR OF ENGINEERING
IN
CIVIL ENGINEERING**

Submitted by:

**GAGANA N
(1SV20CV400)**

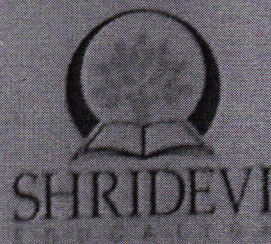
Under the guidance of

Internal Guide

**Ms. NIRANJINI B
Assistant Professor
Dept of Civil Engineering
SIET, Tumkur**

External Guide

**Mr. PRADEEP KUMAR
PWD Engineer
Construction of bridge
Tumkur**



Niranjan 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
EDUCATION
CERTIFICATE

This is to be certified that the report on Internship entitled "PROPOSED CONSTRUCTION OF PILE FOUNDATION BRIDGE" carried out by Ms. GAGANA N (ISV20CV400) 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.

Signature of the Internal Guide

Ms. NIRANJINI B
Assistant Professor
SIET, Tumkur

Signature of the External Guide

Mr. PRADEEP KUMAR
PWD Engineer
Construction of bridge Tumkur

Signature of the HOD

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

Signature of the Principal

Dr. NARENDRA VISHWANATH
Principal, SIET, Tumkur

PRINCIPAL
SIET, TUMKUR.

External viva-voce

Name of the Examiners

- 1) Manojra. H.N.
- 2) S.N. Pathame

Signature with Date

- 1) [Signature] 23/03/23
- 2) [Signature]

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 **PROPOSED CONSTRUCTION OF PILE FOUNDATION BRIDGE** as one of a good project which offered us for internship. Hence, I am thankful for the **CHIEF ENGINEER,** , TUMKUR.

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



GOVERNMENT OF KARNATAKA

TELEPHONE : 0816-2005661

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

Email. aeepwdtowntmk@gmail.com

Ref No : AEE/PWD/TOWN/TMK/INTERNSHIP/2023-24/38 Date: 21/01/2023

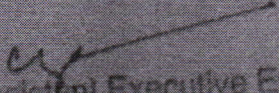
TO WHOME SOEVER IT MAY CONCERN.

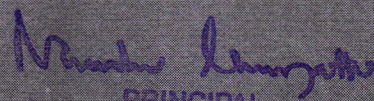
This is to certify that, Mis Gagana N (USN: 1SV20CV400) Undergoing B.E 8TH Sem Civil Engineering from Sri Shridevi Institute of Engineer Technology has successfully completed his internship at Public Works Department Tumkur Urban Sub Division, Kunigal Road, Tumkur as per his curriculum requirement from 28th August 2022 to 10th 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


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


PRINCIPAL
S.I.T. TUMKUR.



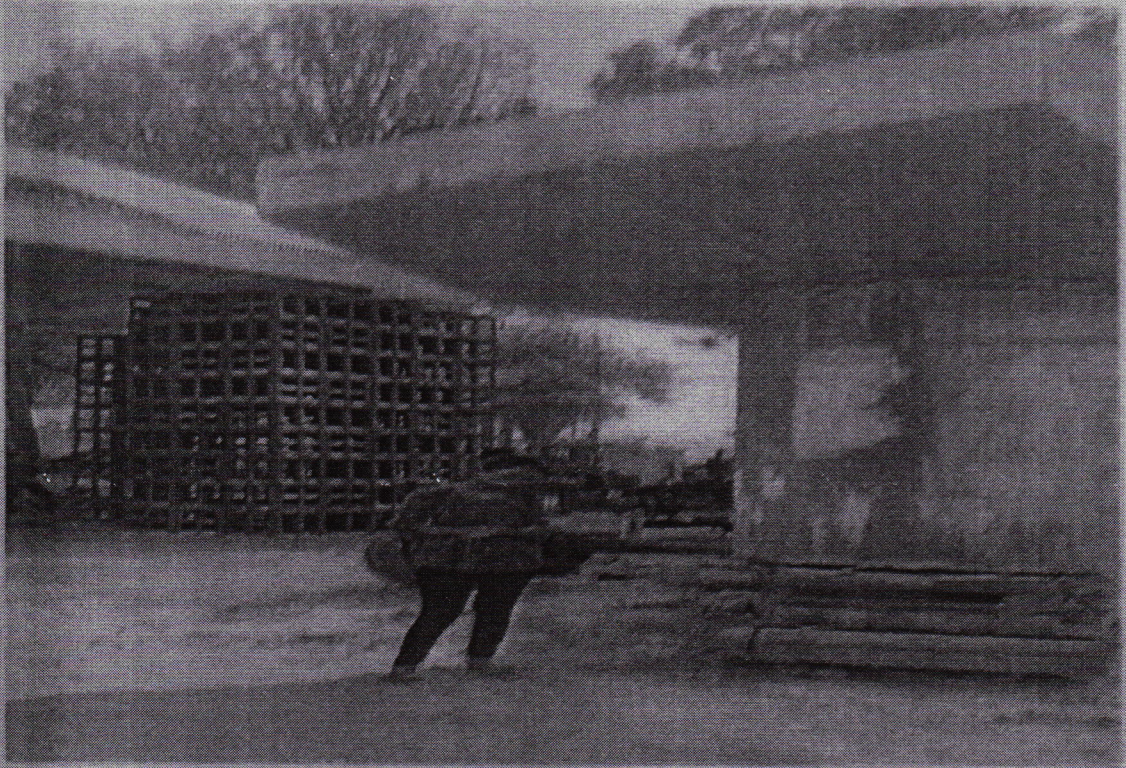
Driven and cast-in-place piles : These are widely used in the displacement pile group. A tube closed at its lower end by a detachable shoe or by a plug of gravel or dry concrete is driven to the desired penetration. Steel reinforcement is lowered down the tube and the latter is then withdrawn during or after placing the concrete.

These types have the advantages such as:

- (1) the length can be varied readily to suit variation in the level of the bearing stratum;
- (2) the closed end excludes groundwater;
- (3) an enlarged base can be formed by hammering out the concrete placed at the toe;
- (4) the reinforcement is required only for the function of the pile as a foundation element, i.e. not from considerations of lifting and driving as for the precast concrete pile; and
- (5) the noise and vibration are not severe when the piles are driven by a drop hammer operating within the drive tube.

N. Srinivasan
PRINCIPAL
SIET, TUMKUR.

Picture gallery



Munish Kumar
PRINCIPAL
SIET, TUMKUR

