



Sri Shridevi Charitable Trust (R.)

# SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

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

ESTD: 2002



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

Ref: SIET/CV/INT//2022-2023/ 9

Date: 23/08/2022

To.

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

**Subject:** Permission to carry out internship reg...

Dear sir ,

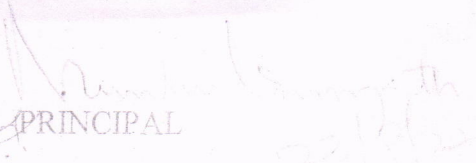
At the consent, we express our heartfelt thanks for permitting the following student to complete the internship at your esteemed organization.

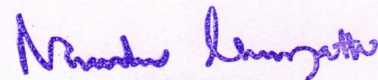
Sl. No	Name of the Student	USN	Mobile No.	Email
1	Teja K G	1SV18CV035	9902142972	tejakgtejakg@gmail.com

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.

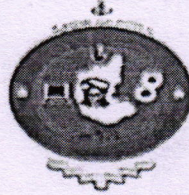
Yours

  
PRINCIPAL

  
PRINCIPAL  
SIET. TUMKUR.

**VISHVESVARAYA TECHNOLOGICAL UNIVERSITY**

"JNANA SANGAMA", BELAGAVI-560014, Karnataka



**AN INTERNSHIP REPORT ON**

**"INTERSHIP REPORT ON CONSTRUCTION OF BUILDINGS"**

Submitted in partial fulfillment for the requirement of the award of  
degree

**BACHELOR OF ENGINEERING IN CIVIL ENGINEERING**

Submitted by:

**TEJA KG (ISV18CV035)**

Internship carried out at

**PANCHAYAT RAJ ENGINEERING SUB DIVISION Kolar-562101**

Under the Guidance of

INTERNAL GUIDE

**Dr. G MAHESH KUMAR**

Professor and HOD

DEPT. of Civil Engineering

SIET, Tumkur-572106.

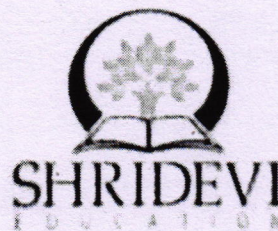
EXTERNAL GUIDE

**Mr.K NARAYANASWAMY**

Assistant Executive Engineer

Panchayat Raj Dept.

Kolar-562101



*Narayan Swamy*  
PRINCIPAL  
SIET, TUMKUR.

**DEPARTMENT OF CIVIL ENGINEERING**

**SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

(Affiliated to VTU Belagavi, Approved by AICTE New Delhi, an ISO

9001:2008 Certified Institution)

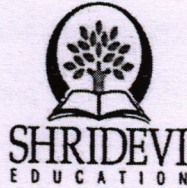
Sira Road, Tumkur - 572 106, Karnataka.

2022-23

# SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An ISO 9001:2000 Certified Institution)

Sira Road, Tumakuru - 572106.



## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE

Certified that a Internship project report on entitled "INTERSHIP REPORT ON CONSTRECTION OF BUILDINGS" has been successfully carried out by TEJA K G (ISV18CV035), student of Shridevi Institute of Engineering and Technology, Tumakuru -572106, in partial fulfillment of internship project for the award of Bachelor of Engineering in Civil Engineering of the Visvesvaraya Technological University, Jnana Sangama, Belagavi -590018 during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the Department library. The report has been approved as it satisfies the academic requirement in respect of project on current topic prescribed for B.E Degree.

.....  
Signature of the Guide  
Dr. G Mahesh Kumar  
Professor and Head  
Dept. of Civil Engineering  
SIET, Tumakuru

.....  
Signature of the H O D  
Dr. G Mahesh Kumar  
Professor and Head  
Dept. of Civil Engineering  
SIET, Tumakuru.

.....  
Signature of the Principal  
Dr. Narendra Viswanath  
Principal  
SIET, Tumakuru.

### External Viva

Name of the Examiners

1 .....

2 .....

Signature with date

- 22/5/23  
.....  
 - 22/5/23  
.....

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## ABSTRACT

As a part of academic requirement of university, I carry-out internship program 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 program 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.

This report includes the summary of different activities carried out as a part of the internship at "INTERSHIP REPORT ON CONSTRECTION OF BUILDINGS" during the vacation of sixth semester for the duration of 30 days. During my internship period, I came to know about the sequence of construction for road & drainage system, safety measures to be taken during the constructing work, planning and maintenance. The proposed road & drainage subproject is to improve the town's road & drainage system so as to minimize the flooding that occurs every year during the monsoons. The underground drainage system ensures that the wastewater is flushed out of the site which further reduces the risk of contamination of water. It enhances the appearance of the site as an open drainage system can look unpleasant and spoil the overall look. The internship helped me to gain knowledge about planning, execution etc., and this helped me interact with different people and acquire a lot of information apart from academics. I gained knowledge on various techniques used in construction and learned to analyze various parameters taken at the site. This was an opportunity to develop and enhance skills and competences in my career field, which I actually achieved.

*N. Srinivas Kumar*  
PRINCIPAL  
S.E.T. TUMKUR.



ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಕಛೇರಿ ಪಂಚಾಯತ್ ರಾಜ್  
ಇಂಜಿನಿಯರಿಂಗ್ ಉಪ ವಿಭಾಗ, ಕೋಲಾರ-563101.

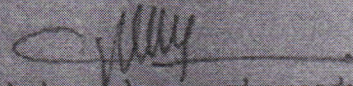
ಇ-ಮೇಲ್ ವಿಳಾಸ: [kvaprasdklr@gmail.com](mailto:kvaprasdklr@gmail.com) ದೂರವಾಣಿ ಸಂಖ್ಯೆ: 0832-222493

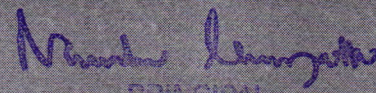
ಸಂಖ್ಯೆ.ಪ.ಕಾ.ಇಂ/ಪಂ.ರಾ.ಇಂ.ಉ.ವಿ/ಕೋ/ಸೇನಿತ್/ 590/2022-23

ದಿನಾಂಕ 09/02/2023

### ಅನುಭವ ಪ್ರಮಾಣ ಪತ್ರ

ಕುಮಾರಿ. ತೇಜ. ಕೆ.ಜಿ. ಇವರು ತಾಂತ್ರಿಕ ಸಹಾಯಕರಾಗಿ ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ಪಂಚಾಯತ್ ರಾಜ್ ಇಂಜಿನಿಯರಿಂಗ್ ಉಪ ವಿಭಾಗ, ಕೋಲಾರ ಕಛೇರಿಯಲ್ಲಿ ದಿನಾಂಕ: 23/08/2022 ರಿಂದ 18/09/2022 ವರೆಗೆ ಉತ್ತಮವಾಗಿ ಹಾಗೂ ಕರ್ತವ್ಯ ನಿಷ್ಠರಾಗಿ ಕಾರ್ಯನಿರ್ವಹಿಸಿರುತ್ತಾರೆ ಎಂದು ದೃಢೀಕರಿಸಿ ಅನುಭವ ಪ್ರಮಾಣ ಪತ್ರ ನೀಡಿದೆ.

  
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು  
ಪಂ.ರಾ.ಇಂ ಉಪ ವಿಭಾಗ, ಕೋಲಾರ

  
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S.E.T. TUMKUR.

foundation and a M20 mix that is, 1 part of cement to 1.5 parts of fine aggregates and 3 parts of coarse aggregates by volume were used in it. Plain concrete is vibrated to achieve full compaction. Concrete placed below ground should be protected from falling earth during and after placing. Concrete placed in ground containing deleterious substances should be kept free from contact with such a ground and with water draining there from during placing and for a period of seven days. The lower surface is made rough and clean watered before upper layer is laid.

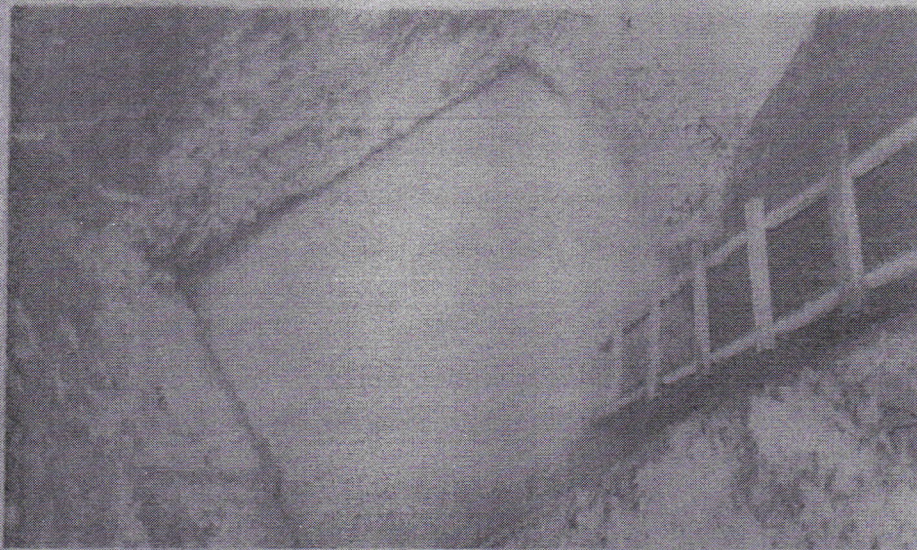


Fig 2: PCC bed

**Laying of Foundation:** At our site, Shallow foundations are used to spread the load from a structure over a large area, normally the entire area of the structure. Normally shallow foundation is used when large load is to be distributed and it is not possible to provide individual footings due to space constraints that is they would overlap on each other. shallow foundations have the advantage of reducing differential settlements as the concrete slab resists differential movements between loading positions. They are often needed on soft or loose soils with low bearing capacity as they can spread the loads over a larger area. In laying of shallow foundation, special care is taken in the reinforcement and construction of plinth beams and columns. It is the main portion on which ultimately whole of the structure load is to come. So a slightest error can cause huge problems and therefore all this is checked and passed by the engineer in charge of the site.

*M. S. Srinivas*  
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95	O11	2600	2200	700	6.72
96	C6	2900	2600	800	8.8
97	C9	2900	2600	800	8.8
98	O6	2900	2600	800	8.8
99	O9	2900	2600	800	8.8



*Niranda Sanyal*  
 PRINCIPAL  
 SIET, TUMKUR.