

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANASANGAMA", BELAGAVI – 590018



**An Internship Report
On**

"UNDERGROUND DRAINAGE WORKS"

Submitted In Partial Fulfillment for the Award of Degree of

**BACHELOR OF ENGINEERING IN
CIVIL ENGINEERING**

Submitted by

BHAVANA G

(ISV19CV402)

Internship Carried Out

At

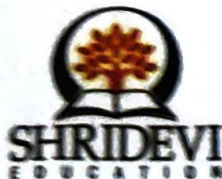
HNS INFRA, TUMAKURU

INTERNAL GUIDE

**Mr. Prakash J M.Tech.,
Assistant Professor,
Dept. of Civil Engineering
SIET, Tumakuru – 06**

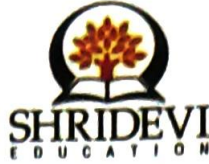
EXTERNAL GUIDE

**Mr. Sreekumar Menon
Executive Engineer
HNS Infra, Bommanahalli
(NH4 kora) Tumakuru - 06**



**DEPARTMENT OF CIVIL ENGINEERING
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumakuru – 572 106
2021-22**

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
SIRA ROAD, TUMAKURU – 572 106
DEPARTMENT OF CIVIL ENGINEERING



CERTIFICATE

This is to certify that the report of Internship on topic entitled “UNDERGROUND DRAINAGE WORKS” has been successfully carried out by BHAVANA G bearing (ISV19CV402) in partial fulfilment for the award of **Bachelor of Engineering in Civil Engineering** for the academic year 2021 – 2022. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the department. The report has been approved as it satisfies the academic requirements in respect of Internship topic prescribed for B.E Degree.

Signature of Internal Guide
Mr. Prakash J M.Tech.,
Assistance Professor
Dept of Civil Engineering

Signature of External Guide
Mr. Sreekumar Menon
Executive Engineer
HNS Infra, Bommanahalli
(NH4 kora) Tumakuru - 06

Signature of H.O.D
Dr. G Mahesh Kumar
Professor & HOD
Dept of Civil Engineering

Signature of Principal
Dr. Narendra Viswanath
Principal
SIET, Tumakuru

External Viva Voce

Name of the Examiner

- 1) Dr. C. Nagaraj
- 2) RADHIKA T.N

Signature with date

C. Nagaraj 28/1/22
Radhika T.N 28/1/22

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

Dear Sir/Madam

This is to inform that **BHAVANA G** bearing USN **1SV19CV402** of Shridevi Institute Of Engineering And Technology, Tumkur. Studying in 7th semester BE(CIVIL) is undergone the Internship Training Program at our project "**DRAINAGE WORK**" from last 4 weeks i.e 1/09/2021 to 30/09/2021.

Date: 1/10/2021

FOR HNS INFRA
B. S. S.
Signature



+91 7019 42 3081
+91 9108 51 4260



@hnsinfra
hnsinfra@gmail.com



Sneha Opposite BCM Hostel,
Garden Road Tumkur - 572102

ABSTRACT

Sewage contains a large number of impurities in the form of silt, clay, rags, oils, etc. under normal flow they are likely to settle and choke the sewers. These have to be cleared from time to time and adequate facilities should be provided for this purpose.

For efficient working and maintenance of sewer systems, various additional structures are provided on the sewer lines. These structures are called sewer appurtenances.

Manhole is one of such sewer appurtenances which is a masonry or RCC chamber constructed on the alignment of sewer for providing access to the sewer for the purpose of inspection, testing, cleaning and removal of obstruction from the sewer line. They also help in joining sewer lines or in changing the direction or alignment or both.

To enhance the knowledge of sewage appurtenances, internship project work on **UNDERGROUND DRAINAGE WORKS** done at **Kesaramadu Ring Road Tumakuru**.

In the present work, laying of sewer lines and construction of deep manhole of 2500 liters capacity at an estimated cost of rupees 68564 has been carried out to provide a good drainage system to the layout in Kesaramadu Ring Road Tumakuru.