**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

JNANA SANGAMA, BELAGAVI, KARNATAKA-590 018



**TECHNICAL SEMINAR REPORT**

On

**“”**

For

**BACHELOR OF ENGINEERING**

**In**

**CIVIL ENGINEERING**

For the Academic Year **2021-2022** Submitted by

**YOGESHWARI S**

**(1VK18CV024)**

**Under the guidance of**

**HARISH T S**

**Assistant Professor**

**Dept. of Civil Engineering**

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**DEPARTMENT OF CIVIL ENGINEERING**

**VIVEKANANDA INSTITUTE OF TECHNOLOGY**

**GUDIMAVU, KUMBALAGODU POST, KENGERI HOBLI,**

**BENGALURU-560074**

**Janatha Education Society(R)**

**VIVEKANANDA INSTITUTE OF TECHNOLOGY**

Gudimavu, Kumbalagodu Post, Kengeri Hobli, Bengaluru – 560 074



**DEPARTMENT OF CIVIL ENGINEERING**

**CERTIFICATE**

This is to certify that Technical Seminar report entitled ***“”*** carried out by **YOGESHWARI S** bearing **USN-1VK18CV024** a confide student of **Vivekananda Institute of Technology**, Bengaluru in partial fulfilment for the academic year 2021-22. It is certified that all corrections/suggestions indicated have been incorporated in the report deposited in the department library. The Technical Seminar has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

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| Signature of the Guide  **HARISH T S**  Associate Professor & Head  Dept. of civil Engineering  VKIT, Bengaluru | Signature of HOD Signature of the Principal  **DR. SHAHSI KUMAR C S DR. PADMANABHA S**  Associate Professor & Head Principal  Dept. of civil Engineering VKIT, Bengaluru  VKIT, Bengaluru |
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**DECLARATION**

I, **YOGESHWARI S** 7th semester B.E, bearing USN (1VK18CV024), Vivekananda Institute of Technology, Bengaluru. Hereby declare that the work being presented on the Technical Seminar work entitled ***“”*** which is being submitted as partial fulfilment for 8th semester B.E. in Civil Engineering from Visvesvaraya Technological University, Belagavi, is an authentic record of my own Technical Seminar work that has been carried out by me during academic year 2021-22 at **Vivekananda Institute of Technology,** Bengaluru under the guidance of **Mr. Harish T S,** Assistant Professor, Dept. of Civil Engineering, Vivekananda Institute of Technology, Bengaluru.

**Signature**

**ACKNOWLEDGEMENT**

It is my time for expressing my sincere gratitude towards all who are responsible for the successful completion of Project Phase-I work. Firstly, I would like to express my sincere regards and heartful thanks to our guide **Mr. Harish T S** Assistant Professor, Dept. of civil engineering, VKIT, Bengaluru, whose constant encouragement, guidance and support throughout the Project Phase -I work made me to complete the work successfully on time. Also, I would like to thank our project coordinator **Mrs. CHETHANA H P** Assistant Professor, Dept. of Civil Engineering, VKIT, Bengaluru, for his support.

I, take this opportunity to express my sincere words of gratitude to our HOD **Dr. Shashikumar C S**, Associate Professor and Head of Civil Engineering Department, VKIT, Bengaluru, for his support.

I, take this opportunity to express my sincere words of gratitude to our beloved principal **Dr. Padmanabha S** for being kind enough to provide me an opportunity to work on a project in this institution.

I, would like to convey my heartfelt gratitude to our beloved Vice Principle**, Dr. D V Chandrashekar**, VKIT, Bengaluru, for his support and encouragement during my studies

My sincere gratitude is due towards Management of my institution **Vivekananda Institute of Technology,** Bengaluru.

I am, grateful for all the teaching and non-teaching staff of **Department of Civil Engineering**, VKIT, Bengaluru, for providing me support and required facilities for successful completion of this Project Phase-I.

Last but not the least, I would like to thank my Parents and Friends who have helped me directly and indirectly in all possible ways for the success of this Technical Seminar.

**YOGESHWARI S**

**(1VK18CV024)**