**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**Jnana Sangama, Belagavi-590018, Karnataka**



A PROJECT REPORT ON

**“EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF FINE AGGREGATE USING WASTE BRICK POWDER”**

*Submitted in partial fulfilment of the requirements for the Eight semester project work*

*Phase-2(18CVP83)*

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**

*Submitted by:*

**NANDISH U - 1VK19CV403**

*Under the guidance of*

**DR. SHASHIKUMAR C S**

Associate Professor and Head

Dept. of Civil Engineering



Janatha Education Society(R)

**DEPARTMENT OF CIVIL ENGINEERING**

**VIVEKANANDA INSTITUTE OF TECHNOLOGY**

**Gudimavu, Kumbalagodu Post, Kengeri Hobli, Bengaluru-560074**

**2021-22**

**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 Project Phase-2 report entitled **“EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF FINE AGGREGATE USING WASTE BRICK POWDER”** carried out by **NANDISH U** bearing **USN-1VK19CV403** a bonafide 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 Project Phase-2 has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of the Principal

**DR. PADMANABHA S**

Principal

VKIT, Bengaluru.

Signature of the Guide

**DR. SHASHIKUMAR C S**

Associate Professor & Head

Dept. of Civil Engineering

VKIT, Bengaluru.

**Name Signature**

**Internal Examiner**

**External Examiner**

**ACKNOWLEDGEMENT**

It is my time for expressing my sincere gratitude towards all who are responsible for the successful completion of Project Phase-2 work. Firstly, I would like to express my sincere regards and heart full thanks to our guide **DR. SHASHIKUMAR C S** Associate Professor and Head, Dept. of civil engineering, VKIT, Bengaluru, whose constant encouragement, guidance and support throughout the Project Phase -2 work made me to complete the work successfully on time. Also, I would like to thank our project coordinator **MR. SIDDARAJU N** Assistant Professor, Dept. of Civil Engineering, VKIT, Bengaluru, for his support.

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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 Project Phase-2.

**DECLARATION**

I, **NANDISH U** 8th semester B.E, bearing **USN-1VK19CV403,** Vivekananda Institute of Technology, Bengaluru. Hereby declare that the work being presented on the Project Phase-2 report entitled **“EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF FINE AGGREGATE USING WASTE BRICK POWDER”** 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 project Phase-2 work that has been carried out by me, during academic year 2021-22 at **Vivekananda Institute of Technology,** Bengaluru under the guidance of **DR.SHASHIKUMAR C S ,** Associate Professor and Head, Dept. of Civil Engineering, Vivekananda Institute of Technology, Bengaluru.

**Name of the student Signature**

Nandish U

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**BACHELOR OF ENGINEERING**

**IN**

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*Submitted by:*

**VINAY M SAWANT - 1VK19CV407**

*Under the guidance of*

**DR. SHASHIKUMAR C S**

Associate Professor and Head

Dept. of Civil Engineering



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**Name Signature**

**Internal Examiner**

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**DECLARATION**

I, **VINAY M SAWANT** 8th semester B.E, bearing **USN-1VK19CV407,** Vivekananda Institute of Technology, Bengaluru. Hereby declare that the work being presented on the Project Phase-2 report entitled **“EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT OF FINE AGGREGATE USING WASTE BRICK POWDER”** 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 project Phase-2 work that has been carried out by me, during academic year 2021-22 at **Vivekananda Institute of Technology,** Bengaluru under the guidance of **DR.SHASHIKUMAR C S ,** Associate Professor and Head, Dept. of Civil Engineering, Vivekananda Institute of Technology, Bengaluru.

**Name of the student Signature** Vinay M Sawant

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**BACHELOR OF ENGINEERING**

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*Submitted by:*

**MAHADEV PRASAD N M - 1VK18CV008**

*Under the guidance of*

**DR. SHASHIKUMAR C S**

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**Name of the student Signature** Mahadev Prasad N M

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*Submitted by:*

**NITHIN M - 1VK19CV404**

*Under the guidance of*

**DR. SHASHIKUMAR C S**

Associate Professor and Head

Dept. of Civil Engineering



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Signature of the Guide

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Associate Professor & Head

Dept. of Civil Engineering

VKIT, Bengaluru.

Signature of the Principal

**DR. PADMANABHA S**

Principal

VKIT, Bengaluru.

**Name Signature**

**Internal Examiner**

**External Examiner**

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**NANDISH U 1VK19CV403**

**NITHIN M 1VK19CV404**

**VINAY M SAWANT 1VK19CV407**

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**Name of the student Signature**

1. MAHADEV PRASAD N M
2. NANDISH U
3. NITHIN M
4. VINAY M SAWANT