VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama" Belagavi- 590018

PROJECT REPORT ON

"SUBGRADE SOIL STABILIZATION USING INDUSTRIAL WASTE"

Submitted in partial fulfilment of requirements for the award of degree

BACHELOR OF ENGINEERING

IN

CIVIL ENGINEERING

Submitted by

ASHISH KUMAR	**4AL19CV004**
MAILAR KANER	**4AL19CV015**
YOGESH	**4AL19CV043**
SANJEEVAKUMAR	**4AL19CV036**

Under the Guidance of

Prof. Tanvi Rai

Associate Professor

DEPARTMENT OF CIVIL ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

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KARNATAKA

2022-23

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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Certificate

This is to Certify the Following Students

ASHISH KUMAR	**4AL19CV004**
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SANJEEVAKUMAR	**4AL19CV036**

Have submitted the project work Report entitled on **"SUBGRADE SOIL STABILIZATION USING INDUSTRIAL WASTE"** For VIII semester B.E in Civil Engineering during the academic year 2022-23. The Project has been approved as it satisfies the academic requirements in report of Project work prescribed by Visvesvaraya Technological University for the award of degree in Bachelor of Engineering Degree.

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Prof .Tanvi Rai	**Dr. H Ajith Hebbar**	**Dr. Peter Fernandes**
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Signature with Date 2/5/23

ABSTRACT

Soil stabilization is an essential technique employed in civil engineering to improve the engineering properties of subgrade soils. The use of industrial waste materials for soil stabilization has gained significant attention in recent years due to their potential as cost-effective and sustainable alternatives. This abstract provides an overview of the concept and effectiveness of subgrade soil stabilization using industrial waste.

The objective of this study is to evaluate the feasibility and performance of various industrial waste materials for subgrade soil stabilization. Industrial waste materials such as fly ash, Ground granulated blast furnace slag, Quarry dust, are considered in this research. These materials are abundantly available as byproducts of industrial processes, making them attractive options for soil stabilization.