

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", MACHHE, BELAGAVI - 590018, KARNATAKA



2021-2022

Project Report

on

**"STABILIZATION OF BLACK COTTON SOIL BY USING
USING SUGARCANE BAGASSE ASH "**

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

BACHELOR OF ENGINEERING
IN
CIVIL ENGINEERING

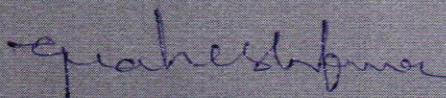
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CERTIFICATE

Certified that a project report on entitled "STABILIZATION OF BLACK COTTIN SOIL BY USING SUGARCANE BAGASSE ASH" has been successfully carried out by SHIMSHA I S (ISV19CV417), VEDA B G (ISV19CV419), VINAY C K (ISV19CV420) students of Shridevi Institute of Engineering and Technology, Tumakuru - 572106, in partial fulfillment of project for the award of Bachelor of Engineering in Civil Engineering of the Visvesvaraya Technological University, Jana Sangama, Belagavi -590018 during 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 library. The report has been approved as it satisfies the academic requirement in respect of project on current topic prescribed for B.E Degree.

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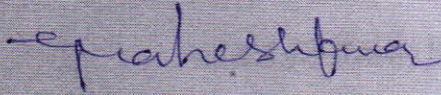
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ABSTRACT

Pile foundation consists of pile that are dug into the soil till a layer of stable soil is reached. Pile foundation transfer building loads to the bearing ground with the greater bearing capacity. Pile foundation is that of deep foundation in which the load taken to low level by means of vertical members which may be timber, concrete or steel.

Pile foundation are useful in regions with unstable upper soil that may erode, or for large structure. Pile foundation are often required to resist lateral loading. Lateral's load comes from a source i.e., earthquakes.

Project report contains introduction, problem definition and design. It also contains literature review of project. It includes the required test for designing the pile foundation for multistorey building in homogeneous soil viz. soil properties test.



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