

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM, KARNATAKA**



**8TH SEMESTER B.E PROJECT REPORT ON
“STABILIZATION OF BLACK COTTON SOIL USING FLY ASH AND
GEOPOLYMER”**

PROJECT FUNDED BY KSCST



In Partial Fulfillment of the Requirements for the Award of the Degree of

**BACHELOR OF ENGINEERING
IN
CONSTRUCTION TECHNOLOGY MANAGEMENT
BY**

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ABSTRACT

We had undertaken our 8th semester BE project in” Stabilizing Black cotton Soil using Fly ash and Geopolymer”

During the course of project we were exposed to various properties of Black cotton soil and its disadvantages in construction.

The stabilization of Black cotton soil using Flyash and geopolymer in different percentages has showed the soil to improve its engineering properties.

We observed that the stabilizing agents such as Fly ash and geopolymer help to increase in specific gravity and compressive strength. And it helps to decrease the liquid limit and shrinkage values.

The project was found to be practical, informative and combination of different theoretical aspects of ground improvement techniques.