

Department : Civil

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Group No: 8

Guided By

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Project Title

**IMPROVEMENT IN THE DURABILITY PROPERTY OF CONCRETE
USING MINERAL ADMIXTURES**

Abstract:

Concrete a widely used construction material, consumes natural resources like lime, aggregates, water. In this content an interest was made by civil engineers to replace the composite concrete material with industrial wastes, agricultural wastes, and waste glass. In this content metakaolin was a pozzolanic material used in wide range in partial replacement of cement in concrete which was treated as economical and also due to its pozzolanic action increases strength and durability properties of concrete. In view a review was done in utilization of metakaolin in concrete as anpartial replacement material to cement which has given excellent results.Metakaolin mixtures with cement replacement of 5, 10, 15 and 20 %were designed for target strength and durability. Keywords:- concrete, strength, durability, metakaolin

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