

## **Experimental Investigation on Self Compacting Concrete by Rice Husk Ash Partial Replacement of OPC**

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### **ABSTRACT**

Self-compacting concrete (SCC) is commonly compacting in own weight and flowing concrete, that does not require vibration tools such as mechanical vibrators, tamping rods, etc. In this project an attempt have been to a part of replacing cement by Rich Husk Ash, super plasticer gelniumand Viscosity Modifying Agent to improve some of the properties of concrete. self compacting concrete with adding different water percentage reductions , the compressive and flexural strength is to be determined. superplasticisers are significantly used to increase the ease and rate of flow. The self compacting concrete (SCC) simplicities the pouring and eradicates construction difficulties. The Self-Compacting Concrete made by partially varying coarse aggregate with different replacements. The mix ratio of M50 for SCC is to be determined. In order to obtain the optimum mix ratio different combination are to be tried by varying the water content.

**Keywords** – *self compacting concrete, compressive strength, tensile strength, flexural strength*

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