

## **EXPERIMENTAL STUDY ON CONCRETE USING GGBS AND STEEL FIBRES**

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This experimental investigation is carried out the EXPERIMENTAL STUDY ON CONCRETE USING GGBS AND FIBERS with ground granulated blast furnace slag (GGBS) and addition of steel fiber. In this investigation M30 grade of concrete is replaced with ground granulated blast furnace slag (0%, 25%, 30%, 35% and 40%) by weight and addition of steel fiber in different percentage (0%, 0.5%, 1%, 1.5% and 2%). Economical and technical analysis of GGBS and steel fiber in concrete has been done. Finally, the strength performance of slag blended fiber reinforced concrete is compared with the performance of conventional concrete.

**Index Terms:** Conventional Concrete, GGBS, Fly ash, Composite Material, Industrial byproducts.