

## ABSTRACT

Self-compacting concrete (SCC) was first developed in Japan in 1988 in order to achieve durable concrete structures by improving quality in the construction process. Self-Compacting Concrete get dense and compacted due to its own self-weight. An experimental investigation has been carried out to determine different characters like workability and strength of Self-Compacting Concrete (SCC). Test involving various fibers proportions for a particular mix of SCC. Test methods used to study the properties of fresh concrete were slump test, U-Box, V-funnel and L-Box. The properties like compressive, tensile and flexural strength of SCC were also investigated. Test Results shows that the workability characteristics of SCC are with the limiting constrains of SCC. The concrete with various fibers like (Steel Fiber, Glass Fiber, Poly propylene Fiber) the content was (0.5, 0.75, 1)% were analyzed.