

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM – 590014



A

**PROJECT REPORT
ON**

CRASH SLIDING SYSTEM

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ABSTRACT

As the technology is taking a drastic improvement in engine technology day by day, there is an urgent need to improve the safety of the vehicle. Also with the drastic increase in the number of accidents, our project aims at providing an excellent solution to this existing problem. This project is aimed at providing a crash impact reducing system for the vehicle cabins. A set of parallel springs are mounted between the cabin and the bonnet which produces a repulsive force in case of a crash, and hence reducing the impact by sliding the cabin backwards on the rails provided. This enhances the safety of the passenger by a considerable amount. And hence in most cases, saving the precious life of commuters worldwide.