

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM



B. L. D. E. Association's
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DEPARTMENT OF MECHANICAL ENGINEERING

A PROJECT REPORT ON

**“PUNCTURE AND SKIDDING
MANAGEMENT IN TWO WHEELERS”**

Submitted in partial fulfillment of the requirement for the award of the degree
of

**BACHELOR OF ENGINEERING
IN
MECHANICAL ENGINEERING**

Under the Guidance of

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ABSTRACT.

To start with we have a bike whose rear wheel is punctured and no option to make it right for that, supporting rods come into picture which resembles like the double stand in a bicycle. These rods have 2 small sized wheels with all the attachments and coupled to the chain sprocket with an auxiliary power transmission mechanism which is easy to assemble and user-friendly even a lay man can do it with no pain. This trolley will raise the wheel and can move a quite long distance.

Let's now talk about tragedy. This one plays an important role when safety comes into consideration. When the rear wheel skids it can be controlled by putting our legs on ground. But we usually fall from our bike when the front wheel skids as we can't control it. To help control the front wheel there is a hydraulic telescope arrangement on the front suspension. This arrangement activates when a lever with the front brake is pulled. The activation occurs only when the front brake is applied hard enough.