

EMERGENCY DRIVE FOR TWO WHEELER (BICYCLE/MOPEDS)



A Project Report Submitted to
Visvesvaraya Technological University, Belagavi,
in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING

Submitted by

Name:	USN:
SHANKAR LAL V	4VM11ME038
KARTHIK A N	4VM11ME010
RAGHAVENDRA DUDANAKAR	4VM11ME027
SANGAMESH SIMPI	4VM11ME035

Under the Guidance of

Mrs. SWAPNA G.K.

Asst.Professor

Department of Mechanical Engineering

VVIET, Mysuru



**DEPARTMENT OF MECHANICAL ENGINEERING
VIDYA VIKAS INSTITUTE OF ENGINEERING AND TECHNOLOGY**

MYSURU – 570 028

2015

ABSTRACT

The main aim of the project is to create an alternative solution when the bicycle/moped gets punctured, so that the rider can reach the nearest service station without pushing the vehicle and is more helpful to old persons and women's.

The pushing of the bicycle/moped is becomes too difficult and strenuous for aged ones and women's. So to avoid/overcome such situations, an auxiliary **EMERGENCY DRIVE FOR TWO WHEELERS** is being proposed.

In the proposed design, using an additional drive mechanism, the vehicle will be made to move on supporting wheels or emergency wheels. But the drive to these wheels will be taken from the main drive itself. Using this technique, bicycle will be made to mobilize till the service station is reached. This assembly must be simple to remove & fix, so that with minimum effort any person can attach it to the main vehicle.

Here, when the puncture takes place the rider has to lift the main wheel /centre wheel from the ground using linear guided mechanism, so that the emergency wheels linked to the main drive itself comes down simultaneously and touches the ground on which the vehicle can be moved further.