

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM-590014, KARNATAKA**



**A PROJECT REPORT ON
“Virtual Inexpensive Portable Driving Simulator System”**

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

BACHELOR OF ENGINEERING

In

ELECTRONICS AND COMMUNICATION ENGINEERING

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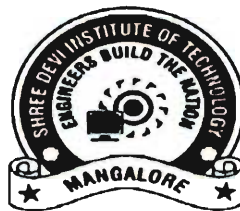
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ABSTRACT

The trend is to save fuel/Energy. Here is a device that can save fuel of the vehicles which are used only for learning driving. This is a device using which any user can learn how to drive a vehicle, a car for example. There are steering, pedals (like accelerator, brake & Clutch) and a Gear module as well acting as the inputs to the device. This device has to be connected to a computer in which a car driving game being run on the computer. This device controls the car in the computer looking at the input actions done by the user on the device. Looking at the position of the steering, pedals and a Gear module, the car in the computer will be controlled by the user with the help of this device and hence driving simulation is achieved. If the user does any mistakes in terms of driving, the simulation program alerts an error to the user about the mistake. Hence the user learns the driving skills by reducing his/her mistakes in time.