

CHAPTER-1

INTRODUCTION

The goal of this project is to encourage and uphold the concept “GO GREEN”. This project aims at reducing the usage of engines, petroleum products and promotes the usage of cycle. The vehicle is entertaining and environmentally friendly way to tour a city.

Engineless transmission vehicle is a four wheeled. Two wheels are driver two wheels are driven. This vehicle resembles golf cart. But the features are different when compared to golf cart.

Here the batteries of the golf cart have been replaced by the pedalling drives which are driven manually to drive the vehicle. In this vehicle we provide multi-pedalling system for four members, a driver with steering to control the direction and braking pedal to regulate the speed of the vehicle. At rear end 3 members can sit comfortably without any pedalling actions. The platform is covered with plywood sheets. The corners of the chassis are welded with rounded pipe which forms the supporting pillars of the roofing system. Rexene sheets are used to cover the roof.

In this vehicle a simple mechanical steering is used to control the direction of the vehicle. To regulate the speed simple drum brakes are fixed to the rear wheels which are controlled by the driver. Two shafts are used to transmit the motion from pedalling shafts to the rear wheels.

Finally the Engineless Transmission Vehicle aims at reducing the pollution rate and assisting the individual to increase the health under one shelter. And also this vehicle is designed to drive for picnics, college campuses, film cities and zoos. There by providing recreation.