

Department : **Mechanical**

Year : **2016-2017**

Group No: **19**

Guided By

**PROF. NITIN
AGRAWAL**

SMT. S. R. PATEL ENGINEERING COLLEGE, UNJHA

Project Title

**HANDICAPPED TRICYCLE WITH HAND PROPULSION ON THE
STEERING**

Abstract:

In today's world, transportation has become one of the prime requirements of people for moving self or goods from one place to another. We have even come across people travelling for more than 200 km every day for reaching their work place. Mobility has thus become an essential part of our lives with many development and improvements happening in this field.

In these conditions it becomes more difficult for physically challenged people to commute and to perform their day to day activities like working, education, shopping etc. as they have to constantly depend on others for getting assistance to alight and board the vehicle.

In this project a feasible design solution in form of a user friendly three wheeler vehicle, which allows physically challenged people to commute on their own and perform their activities without anyone's assistance, has been proposed.

So my project work is toward designing and fabricating such kind of cycle which could be simultaneously controlled and propulsion with single hand with comparatively less force.

A crank and rocker mechanism is so implemented in the tricycle so as to it serves many function like it can run with lower effort, can run in both forward and reverse direction and the main is that it can even run with single hand with simultaneous control on driving.

Prepared By:

Sr. No.	Student Name	Enrollment No
1	SAVAN MODH	130780119035
2	PRAVIN PARMAR	130780119047
3	PARMAR SNEHIL	130780119048
4	SUTARIYA KARAN	130780119099

