

Department : **Mechanical**

Year : **2018-2019**

Group No: **3**

Guided By

**PROF. PRAKASH M.  
MISTRI**

**SMT. S. R. PATEL ENGINEERING COLLEGE, UNJHA**

**Project Title**

**DESIGN AND MODIFICATION IN THE STRUCTURE OF BICYCLE  
TO BE USED AS AN AMPHIBIOUS BICYCLE**

**Abstract:**

As there are various mode of transportation to travel across the water bodies but Amphibian Vehicle are viable both on land as well as water, and are currently available in market but has high cost which is not affordable to Common-Man. So, the price point we have decided to develop an efficient Model of Amphibian Bicycle which would cost low which can be afford by the Common-Man and the Children which can be used for their transportation facility to cross water bodies. The components utilized in developing this product are rudder, float and paddle which are specially designed to be compatible with every Bicycle out there in market. And analysis for the developed structure has been carried to certify that the load withstand capacity of Bicycle is under the desire conditions. And the performance carried out showed that the developed product is stable and powerful. So it can play an aesthetical key role in developing the life of the user and also in Amphibian Mode of transportation indeed which helps in travelling across water bodies and on land.

**Prepared By:**

<b>Sr. No.</b>	<b>Student Name</b>	<b>Enrollment No</b>
1	CHAUDHARY DEEPKUMAR BHARATBHAI	150780119006
2	GANDHI SAVANKUMAR RAJENDRABHAI	150780119014
3	NAGORI MOHAMMMED NOOR	150780119025
4	NAITIK ROHITKUMAR BHAVSAR	150780119026

