

DESIGN AND FABRICATION (DEVELOPMENT) OF E BIKES

24

A Project report submitted

In partial fulfilment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

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CERTIFICATE

This is to certify that the project work is entitled "DESIGN AND FABRICATION OF E-BIKE is a bonofide record done by K.SAI CHANDU G.M.V. SIVA KUMAR, B.KIRAN KISHORE, G. KANNAJI students of final year B.Tech in the department of mechanical engineering , in Avanthi institute of engineering and techonology ,vishakapatnam. This work was done for the fulfilment of the requirements of the award of bacholor techonology during the year 2018-2019


PROJECT GUIDE


EXTERNAL EXAMINER


HEAD OF DEPARTMENT

ABSTRACT

The technology has been changing day by day, every day new invention and new technology will arriving . Whenever a new technology invented is to solve a past , existing problems .In this era the major problem is pollution and future problem is fossil fuel scarcity.In order to solve this problems many new technology as been invented . In this invention one of best invention is electrical vehicals . These vehicals are free from pollution and also it will helps to preserve some amount of fuel to future generation . The current rate of usaging of fuels for next 5 decads their will be arising of fuel drought.

In this generation bike or vehicle is very important in our fast life for traveling and also it will helps in economy growth but it has drawbacks like pollution, fossile fuel shortage and globel warming for this we need a new techonology like eco-friendly vehicals for travelling , is **E-Bike** (electrical bicycle). This E-Bike runs on electricity and this techonology has some drawbacks like on full charging of battery works on period of time only, after that again we have to recharge it for this I introduced a new techonology which will generate electrical power with attaching some extra components,it helps to travel somemore kilometers. It basically suitable for young people, the person who like cycling as an exercise.These E-bikes are futures one of most demanding vehicles

KEY WORDS

Bi-Cycle , Motor (BLDC Motor with Hub) , Battery , Dynamo , Throttle , LED light with Horn , and other bicycle components.