WWW.IJRPR.COM

International Journal of Research Publication and Reviews

Journal homepage: www.ijrpr.com ISSN 2582-7421

Automatic Side Stand

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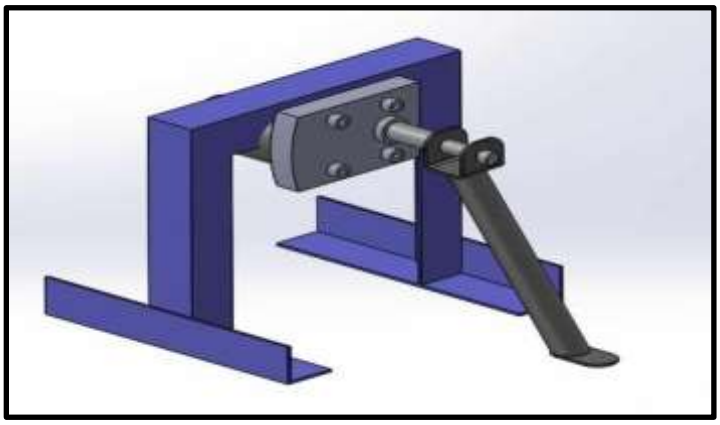
ABSTRACT

This side standard is the combination of Electrical and mechanical arrangements When we start the motor cycle our side stand is automatically is push in up word side In this system speed sensor sence the rotation speed of the motor and this rotation single is pass to the micro controller As the name of this Dc motor is also called as Direct current operated motor it works on a Dc current .It have 12V 7.5Amp It is attached to the frame of the two wheeler .By the help of nut and bolt we attached it.

Introduction

In this world every person is used motorcycles in day to daily life. This Project is very use full in daily life when our vehicle is standing position we make a new type of side stand. Which works automatically When we start the motor cycle our side stand is automatically is push in upward side ,and we Switch off the our vehicle our stand once again push the downward side .This side standard is the combination of Electrical and mechanical arrangements .In this system we use to make it following components to make it .

1. Microcontroller
2. Dc battery
3. Cc motor
4. Speed controller
5. Side stand



Automatic Side stand

In this system speed sensor sence the rotation speed of the motor and this rotation single is pass to the micro controller In this system by the help of DC motor we slide our bikes stand

DC Battery

The Electric battery is the is a combination of one or more electro -chemical cells in use it . It is convert chemicals energy into electrical energy and battery Store it in side of the cell. This battery after the used it is dis charge and When our vehicle is in starting position and run on the road The engine magnate is rotated and generate electricity this electric energy is pass to regulate and regulate works as a battery charger. After the running our vehicle our battery is charge continually. This battery is consist of number of voltaic cell .this cell is divided into 2 half part

1 Electrolyte

2 Electrodes

In this both cell have electromotive force i.e. In both cell have EMF

DC Battery 12V

DC Motor

As the name of this Dc motor is also called as Direct current operated motor it works on a Dc current. It have 12V 7.5Amp Current to operate it If an any Direct current operated motor are consist of following components

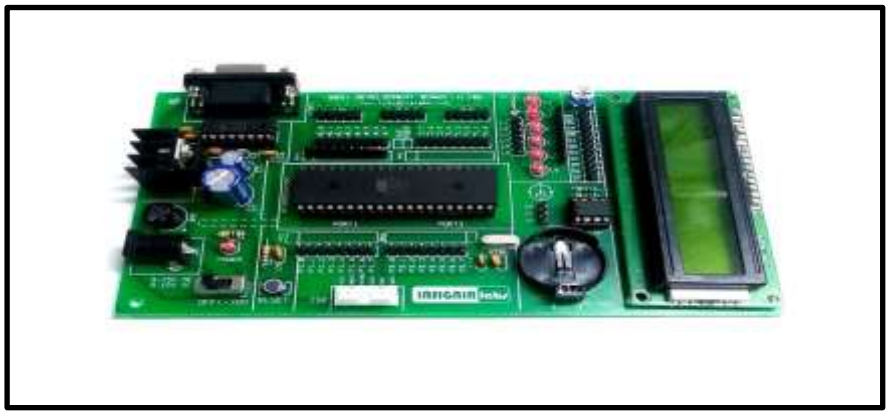
1. Axle or shaft
2. Rotor
3. Stator
4. Commentators
5. Permanent Magnet
6. Graphite Brush

DC Motor

In every Dc motor the external magmatic fields are produced in high strength Permanent Magnet In the Dc motor stator is stationary Part of a dc motor this including that Dc motor Casing or outer part and two Permanent Magnet Pole. Piece

Micro controller

In this project microcontroller is a heart of this system. A micro controller motor is usually an electrical motor drive in a motor microcontroller is a usually single circuit board computer.it is commonly used devices is small and medium project like a automatically work project In this microcontroller, a microprocessor is a made up of register or -8,-16 Single world storage.



Micro controller

Side stand

A Side stand is a automobile parts which is used in all two wheeler to stand out vehicles. It is attached to the frame of the two wheeler. By the help of nut and bolt we attached it.

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