

# Design and Fabrication of Three Wheeler shuttle Vehicle Mechanism

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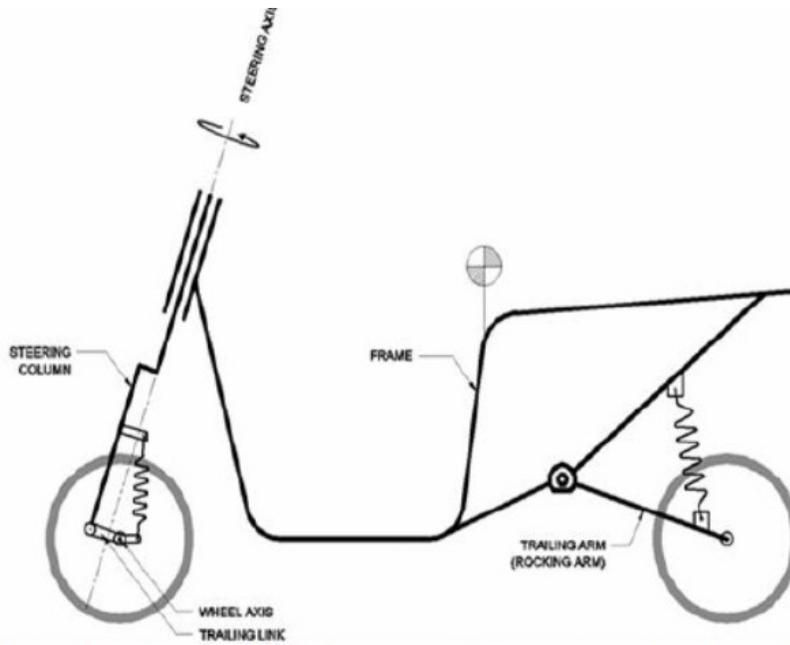
## Abstract

Three wheeler shuttle vehicles are a tiny footprint of electric vehicle that focuses primarily on transportation in the large enterprises, centers, malls, and industries. The primary advantages of vehicles are ecological efficiency/environment friendly and ease of movement. This vehicle also enables individuals with disabilities to carry themselves from one place to another.

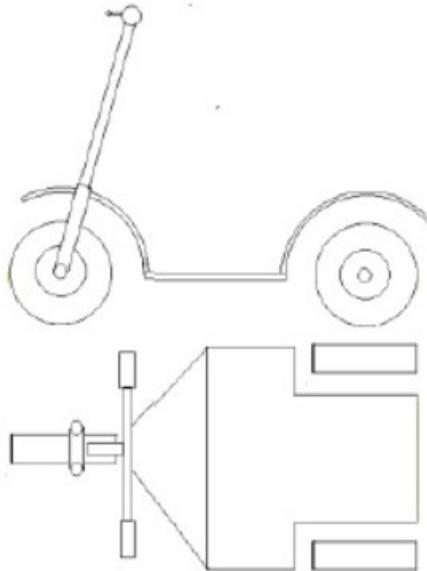
**Keywords**-shuttle vehicle, electric vehicle, dynamo

## INTRODUCTION

In the present era of enormous modernization and competition, new sophisticated technology from various engineering sectors was involved. Therefore attempted we have managed to add a few fresh trends to the existing technology. Because we understand that non-renewable energy sources have disappeared, fuel prices such as oil, diesel and other fuels are growing quickly. Furthermore, the amount of road cars in India is increasing because of heavy modernization and industrialization that leads in enhancement of the level of pollution. Various dangerous gases such as N<sub>2</sub>, O<sub>2</sub>, CO etc. are released into the atmosphere as exhaust gases from cars which cause pollution that affects human, crops and animals. In our project, therefore, we have constructed a three-wheeler carriage car for private transport, called three wheeler shuttle vehicles which is an electronic vehicle[1]–[5]. The balancing is done by using an extra third wheel instead of a balancing circuit, because the balancing circuit is very difficult and costly. We decided to enter the third wheel in order to make it economic and well balanced. The distance between departments is quite long in multinationals and large-scale organizations, it can be difficult for people to walk from one location to another several times. Shuttle vehicles can then be used as an alternative to overcome these problems[6]–[9]. It can also be used for police patrolling, in malls for safety. So we believed about building a three wheeler vehicle that would be environmentally friendly. Shuttle is an electric battery-operated private transport car.



**Fig-1:** Schematic Diagram of three wheeler shuttle vehicle



**Fig-2:** Schematic illustration of three wheeler shuttle vehicle

## RESULT AND CONCLUSION

We can conclude from the above document that this vehicle is very good for nearly every human being. The car is also accessible to mid-sized people by referring to the benefits mentioned above, since its price is optimal. As today's increased automobile volume increases the health and environmental problems, this vehicle therefore focuses its technology that enables three wheeler shuttle, powered by battery and operated in the Indian market to be manufactured, launched and implemented sustainably.

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