

Hoverboard With Handle Segway

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Abstract: *In the present days we are dealing with a problem of increase in number of vehicles with ever-lasting demand of fuel to run them. If this situation remains with time it would be difficult for us to save our future from increasing pollution and fuel demand. With time the population on earth increases obviously; which cannot be controlled so to fulfill the demands of fuel or energy in future world, effective steps should be taken as soon as possible. Our dependence on fuel can be reduced with an alternative such as, use of battery operated vehicles. New technology should be implemented; use of eco-friendly vehicles should be encouraged. Segway is an electric scooter of future technology; it is often used to transport a user across mid-range distances in urban environments. It has more degrees of freedom than car or bike and is faster than pedestrian. They are more efficient than fuel powered vehicles for shorter distance and time of travelling. An electrical vehicle such as Segway, if widely used in the society would give a helping hand in reducing pollutions caused by two wheelers. It would save time and efforts in travelling short distances on barefoot for ages of people. This project is a step towards design, development and programming of an electric powered vehicle using simpler algorithm of control over motors via open source board. sensors and microcontroller. It also aims for study and analysis of stability of an electrical vehicle made using open source software and hardware.*

Keywords: Handle Segway

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