

PEDAL GO KART

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ABSTRACT

This project is to design and fabricate a “Pedal Go Kart” which apply same concept as the bicycle, when we pedal the Pedal Go Kart will move and the steering enable us to turn right and left. It differ from bicycle is that it consist of 4 wheels while bicycle only have two wheels. There is stability problem while riding bicycle at low speed but this Pedal Go Kart can be drive slowly and fast at greater stability, this is the reason why I choose this project. It can be drive by children adult or even old people but mine is a design for adult. As working or studying adult got no time for exercise due to excessive work this will be a great and different exercise for them. At the beginning of the semester, I have set out to design a Pedal Go Kart that is ergonomic and moves at a variety of speeds. Although many challenges were presented along the way, I worked to overcome obstacles and limitations by following all of the stages of the design process.

This report outlines the work that was carried out throughout the course of the semester in the design and fabrications of the Pedal Go Kart. This report describes each design requirement and how the Pedal Go Kart was fabricated according to technical drawings. In addition to fabrication, this report examines the performance of the Pedal Go Kart during testing and what suggested improvements are recommended in future.