



**UNIVERSITI TEKNOLOGI MARA
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DESIGN AND SIMULATION 360° ROTATING VEHICLE

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ABSTRACT

The design and fabrication of 360° degree rotating vehicle is to reduce the time taken to make a turn of the vehicle from one direction to other direction. This vehicle can move and rotates in all direction with the aid of steering, sprocket and wheels. The function of this 360° rotating vehicle is to easier the movement of the vehicle from one direction to another direction. The problems of nowadays cars are to make a u turn, to park and many more. They will take more time to reach the destination and this is very critical for the people who need shorter time to reach the destination. The purpose of this project is to design and to fabricate the 360° rotating vehicle in order to help people reducing their time and to make them easy for turning their vehicles without any difficulties. The design of 360° rotating vehicle was modelled by using Solidworks 2019. The parts that were involved in this design also be designed using Solidworks 2019. The result based on the ability of this project to make a 360° turn. To gain the result, a simulation was done by using Solidworks 2019.

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