

# THREE-WHEEL ELECTRIC CAR

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## ABSTRACT

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This final report is allowed to record the information about the three-wheel electric car. It explains how to build up the 3 wheel electric car for the process of this semester. The report is separated into few parts. There are introduction, design, picture, diagram, construction, calculation and conclusion.

First, introduction is getting the idea from the books, internet and lecturers. The components and materials include three-wheel, brake, one seat, DC Motor, 2 12v battery, switch on/off, pulley, gear, belt, steel wire and also iron hollow bar.

The design part includes chassis, torque-transmitting system, motor system and steering system. The overall designed is using the DC motor transmitting the torque to the front wheel shaft then to allow rotate the wheels. However, the whole prototype will be moved by the two front wheels. The diagrams and pictures will help to determine the design.

Next, construction is following the flow chart diagrams. Calculations and results are shown before the conclusion.