

# Energy Recovery System For Outdoor Cycling Bike

Prepared by: Chan Fook Wae

## ABSTRACT

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This report introduces an energy recovery system for outdoor cycling bike that can transfer mechanical energy to electrical energy so that cyclist can be able to charge their phone and involving a safety helmet with signal lamp. The purpose of doing this project is save cost, safety purpose and convenience to cyclist. It also explained what material to use here and the specific characteristics.

This also will involve a few of electrical components; the circuit board are needed here to change the alternating current (AC) to direct current (DC) to be able to charge battery. This report will also show the results of working efficiency.