

# Eco Green Auto Gate

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## ABSTRACT

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Eco Green Auto Gate is a combination of mechanical and electrical system. This is an automatic gate that used solar charging system. This device will used solar panel to receive the light energy from sun and convert the energy to electrical energy. The electricity convert by solar panel will used to charge the rechargeable battery and operate the system. Other than that, Eco Green Auto Gate actually without using any power supply from house. So, this is an environment-friendly product and also will help to save some electric bill payment for the users.

Next, in this report will shows the information of Eco Green Auto Gate such as working principle of the prototype, the design drawn by AutoCAD, the materials and components needed, how to assembly the prototype, calculation and result and also the schedule of the project. The prototype of Eco Green Auto Gate is working properly.

Lastly, since Eco Green Auto Gate will be design as a prototype for presentation purpose. So, the parts of the prototype will be smaller. If Eco Green Auto Gate become a real life product. It actually required a big size and big voltage solar panel, electronic circuit system, the automatic gate electric motor and also the suitable gate size that follow the house.