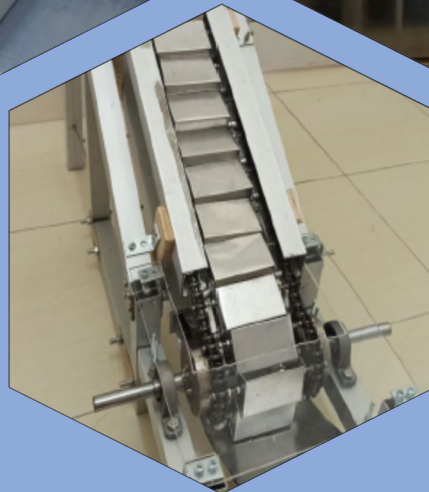
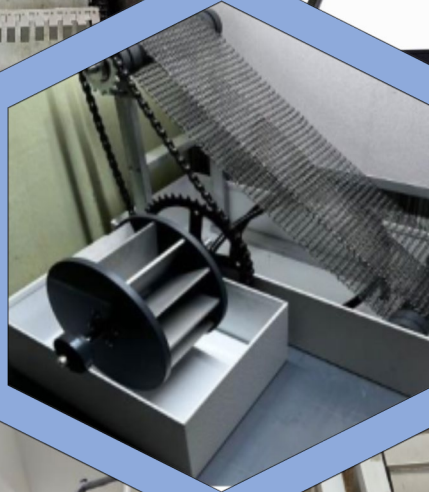


PROTOTYPE DESIGN COLLECTION

SERIES 1



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CHAPTER 60

Design, Analysis and Fabrication of Mini Portable Kettle

Nur Farra Nazirah Binti Che Mohammad Saidi and Nurulsaidatulasyida Binti Sulong

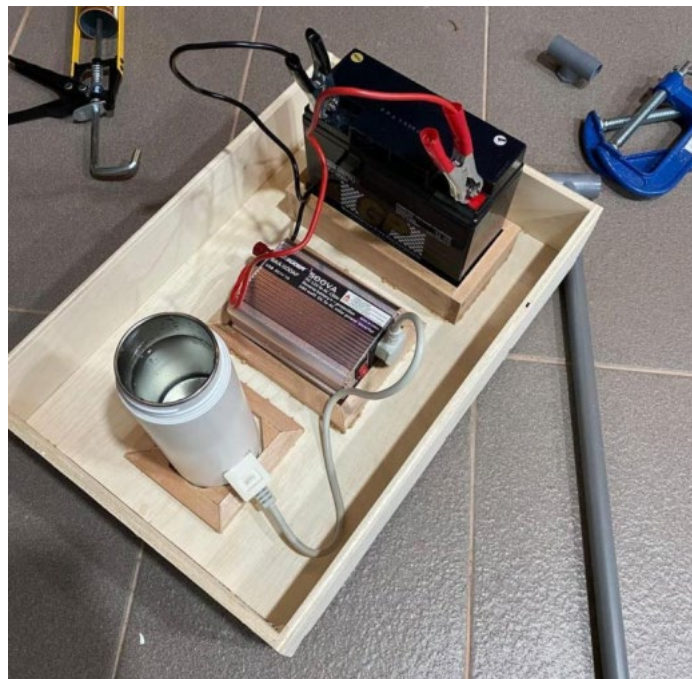
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PROJECT DESCRIPTION

Portable kettle is one of the new developed products according to the home appliances requirements and market demand today which makes more people want everything going efficiently and intelligently. An electric kettle is an electrical appliance that has a self contained heating unit for heating water and automatically switches off when the water reaches boiling point. The availability of smart appliances enables detecting and characterising appliance use in a household, quantifying the energy savings through efficient appliance use. However, since a majority of households use the electric kettle inefficiently by overfilling, in order to meet energy targets, it is imperative to quantify inefficient usage and predict demand. Water is an essential supply. So, people nowadays started to implement some activities such as camping, picnic, hiking. This portable kettle will also benefit those parents who have babies. This mini portable kettle that is powered by a portable power supply may be useful depending on the situation and time especially when to get a hot water supply. This project intends to design, analyse, and fabricate a trolley that can put all the components like battery, inverter and thermos in one place.

Keywords: *Portable kettle*

PROTOTYPE



DESIGN PARAMETER

