

Wireless Grass Cutter Based on Solar Energy

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Abstract: *This paper presents the fabrication and working of a smart solar grass cutter. In this work, we have developed a solar-powered lawn mower and thus saved energy by decreasing air pollution and reducing labour cost. In the old model, cutting iron was used. Due to its high environmental impact, it was the most expensive cutter used by the engine. We have utilized a microcontroller in our project to control the different lawn mower actions. Two DC gear motors are used to move the solar grass cutter, and one DC blade motor is used to cut the grass quickly. With current technology, this new prototype is designed as a remotely controlled grass cutter using Microcontroller. The Smart Solar tracker is controlled via Bluetooth by using a smartphone. The Solar Grass Cutter can run for more than two hours when the battery is completely charged.*

Keywords: Solar Grass Cutter.

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