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Bluetooth Operated Solar Grass Cutter

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Abstract: *Rapid growth of various high-tech tools and equipment's makes our jobs done comfortable and sophisticated. Bluetooth operated solar grass cutter is mainly used for cutting grass of the lawn or ground which will mainly operate on solar power energy for that we are using solar panel. The project aims at fabricating a grass cutting machine system which makes the grass cutter-based Motor running through solar energy. Due to the continuous increase in the cost of fuel and the effect of emission of gases from the burnt fuel into the atmosphere, this necessitated the use of the abundant solar energy from the Sun as a source of power to drive a grass cutter. A solar powered grass cutter is designed and developed, based on the general principle of mowing. The bluetooth operated solar grass cutter is operated by the mobile phones by connecting it with the help of Bluetooth to the microcontroller. Performance evaluation of the developed machine will be carried out with different types of grasses. The design objective is to come up with a mower that is portable, durable, easy to operate. It also intends to develop an automatically operated lawn mover with less efforts. The main target of the machine is to reduce human efforts. This machine is operated with the help of Bluetooth. This design contains a Microcontroller ATmega 16, Sensors, Bluetooth Module, Solar panel, Battery, Motors.*

Keywords: Automatically, Solar Panel, ATmega 16, Bluetooth, Microcontroller

REFERENCES

[1] Krunal Mudafale, et al. "Solar Operated Smart Crop Cutter. "International Research journal of Modernization in Engineering Technology and Science May(2022)
[2] Tanmay Bhalodi et al. "Environmental Friendly Solar Grass Cutter. "International Journal of Research in Engineering, Science and Management, July(2020)
[3] Ajay D. Shah et al. "Solar Powered Intelligent Grass Cutter Robot."IJSDR" (2020)