



FINAL YEAR PROJECT REPORT

**TORNADO
WIRELESS LAWN MOWER**

**In fulfillment of the requirement
For degree of
BEE (Electronics)**

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WIRELESS LAWN MOVER

ABSTRACT

The main objective of TORNADO machine is to design a lawn mower that contains all features from various types of grass cutting machines. Our group creates a remote control lawn mower that utilizes various benefits for cutting grass with safety, reliability and user friendly.

This project was done in two different stages, the first stage is to complete the project with wire controlling and second to make it wirelessly remote control machine. This type of machines has been build and designed by many other engineers throughout the year.

Conventionally, robots are controlled through wired connection, then comes time when wireless technology comes to play its role. Robots could be operated without and wired connections. And one of them connection is wireless technology that is NRF24LN01, the main part of this machine is electric motors powered by DC batteries which comprises speed of that system.

Although, the capabilities of Robot are very large and wireless technology made them more and more huge. Generally an embedded system is used and giving out is completed by the on panel Arduino UNO which perform the task using motors or with the number of other actuators.

In this project the operation of LAWN MOWER is prescribed by a RF transceiver that send the message to another RF transceiver nrf24101 attach to the LAWN MOWER which respond to the sms received and perform accordingly.

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