



# FABRICATION OF REMOTE CONTROLLED LAWN MOWER

## Project Report

Submitted in partial fulfillment of the requirements for the award of the degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**MECHANICAL ENGINEERING**

### SUBMITTED BY

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**AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**(NBA & NAAC Accredited)**

**(Affiliated to JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA A.P  
APPROVED BY AICTE, RECOGNISED BY UGC 12f & 2b)**

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### CERTIFICATE

This is to certify that the project report entitled “Fabrication Of Remote Controlled Lawn Mower” is a Bona fide record of project work carried out under my supervision by **S.SAI PAVAN(16811A0378)** **G.YESWANTH NAGA KUMAR (16811A0322)**, **K.HARI KIRAN(16811A0335)**, and **S.VIJAYA SIVA(16811A0380)**, during the academic year 2019-2020, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Mechanical Engineering of Jawaharlal Nehru Technological University, Kakinada. The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.

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## ABSTRACT

Now a Days grass cutting is important stage in agricultural field. Currently in India farmers used conventional methods for grass cutting purpose i.e., manually cutting using labour but this method is lengthy and time consuming. In current days, The Grass cutter machines are operated by fuel and electrical energy which is costly and requires high maintenance. Hence, in this study, a remote controlled machine for grass cutting was designed and fabricated by using locally available materials. Important aspects such as durability, strength, and light weight were taken into design considerations for better performance characteristics. The lawn mower was powered by a 12V/1.35A rechargeable battery which drives the DC motor up to a rotational speed of 5500 RPM. As a result, the generated torque will be transferred to the cutting head mechanism for efficient grass cutting. This portable lawnmower can be used to maintain and trim grass in gardens, home, schools or yards.

**Keywords:** grass cutter, lawn mower, Battery, portable.