A PROJECT REPORT ON

FABRICATION OF FERTILIZER SPREADING MACHINE

A project report submitted in partial fulfillment of the requirements for the award of the

Degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

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CERTIFICATE

This is certify that the project work entitled **"FABRICATION OF FERTILIZER SPREADING MACHINE"** is a bonafied record of work done by **DAMMU SAIKUMAR (19815A0310),GULLA YAMINI VEERA BHADRA PRASAD (19815A0321), MARRI SIVA (18811A0319), GOLISETTI NARENDRA (19815A0316),** in partial fulfilment of the requirement for the award ofBachelor of technology in MECHANICAL ENGINEERING by Jawaharlal Nehru technological university, Kakinada During the year 2018-2022.

PROJECT GUIDE

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ABSTRACT

FABRICATION OF FERTILIZER SPREADING MACHINE

The project focuses on the fabrication of a fertilizer spreading machine. The Fertilizer spreading machine is used in different fields of on agriculture like,Paddy, Sugarcane,Sweet corn, chilli, etc.,Paddy is most widely grown crop in India due to rapid development in Rice industry in India. Paddy is grown on around 65 to 72 % of gross cropped area of India. To achieve good yield of Paddy crop use of fertilizers is obvious. Fertilizers provide plants with the essential chemical elements needed for growth particularly nitrogen, phosphorus and potassium. Solid chemical fertilizers are one of important sources for plant nutrition they provide the plant with important nutrients needed for growth during the periods of its growing life, and also it works to improve the properties of soil (soil structure and the degree of acidity).

The objective of this invention is to provide a simple and inexpensive fertilizer spreader, in a form of a Hanging the device which may be easily and quickly operated by the farmers for spreading solid fertilizers like urea. This is a type of spreader which can be operated Electrically for spreading granular materials in farms especially for solid fertilizers like urea. The device has single electrical motor of 12V, it can be run by using D.C Supply (Battery). The total electric motors and electrical wires are assemble in casing box.

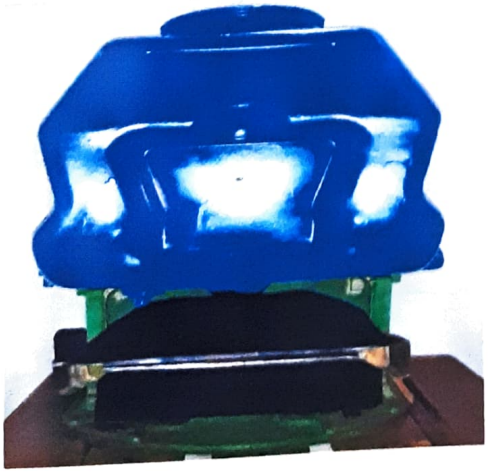

Figure 1 Fertilizer spreading machine