Fabrication of Automated Multipurpose Agriculture Machine

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Abstract - **A Multitasking Machine for the field of Agriculture has been studied research. Now a day precision agriculture by agriculture Machine is the newly emerging technology in agriculture sector to save the time and energy that is wasted in repetitive farming tasks automation in farming processes is quite helpful. To design these sorts of Machine there should be certain considerations and particular approach considerations and particular approach considering the agriculture environment in which it will be working. The working of autonomous machine is based on field parameters i.e. length and width. Prototype of an agriculture Machine is modeled for multitasking such as seeding, ploughing, and harvesting with a separate irrigation system. It is a four wheeled vehicle which is controlled by remote microcontroller as, Humidity sensor for irrigation, power supply is provided by solar panel which is eco-friendly to the environment.**

Index Terms - **mechanization seeding, ploughing, and harvesting.**

I. INTRODUCTION

These projects aim to develop a machine which can form a slab of it. earlier farmers were using traditional forming method, which is time consuming, hand working and costly. Hence, we can introduce new technology. This vehicle uses a customized universal electromotor powdered by a rechargeable battery which gives zero emission and is energy efficient. This vehicle is compact and easy to handle due to our ergonomic design. This next generation vehicle which is very needed in our current energy crisis-situation where renewable solar energy comes to the rescue. This multipurpose agro machine is wireless remote operated and designed and fabricated as a multipurpose equipment which is used for agricultural processes like seeding, ploughing, harv harvesting. This machine works in both directions when it is pushed forward it ploughs the field with the help of plough the field with the help of plough. The height of the plough can be adjusted, with the help of screw arrangement and the seed feeder is mounted directly to the motor. The motor rotates and the shaft attached to it has holes. The motor is directly to the motor. The motor rotates and the shaft attached to it has holes.

II. PROCEDURE FOR PAPER SUBMISSION

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