

FABRICATION OF REAL TIME ADVANCED 5 IN 1 MULTI PURPOSE AGRICULTURAL VEHICLE – AGRICULTURAL VEHICLE

INTRODUCTION

Agricultural vehicles or agri vehicle is a real time vehicle deployed for agricultural purposes. The main area of application of vehicles in agriculture is at the initial and harvesting stage. driverless tractor / sprayer, and sheep shearing vehicles are designed to replace human labor. In most cases, a lot of factors have to be considered (e.g., the size and color of the fruit to be picked) before the commencement of a task. Agricultural vehicles can be used for other horticultural tasks such as pruning, weeding, spraying and monitoring. Agri - Vehicles can also be used in livestock applications (livestock robotics) such as automatic milking, washing and castrating. Agricultural vehicles like these have many benefits for the agricultural industry, including a higher quality of fresh produce, lower production costs, and a smaller need for manual labor.

ABSTRACT

This Agricultural vehicle is an agricultural machine of a considerable power and great soil clearing capacity. This multipurpose system gives an advance method to sow, plow, water and cut the crops with minimum man power and labor making it an efficient vehicle. The machine will cultivate the farm by considering particular rows and specific column at fixed distance depending on crop. Moreover the vehicle can be controlled manually by driving the vehicle using seating arrangement. This agricultural vehicle will be running with batteries. Batteries will be charged using Solar Energy. So ultimate aim is to develop a agricultural vehicle which uses renewable sources for operation.

ADVANTAGES :

- 5 Different features in one module
- Wireless communication between robot
- Can be used for cultivating, harvesting, Digging, Water Pump and Lighting System.

CONCLUSION:

This multipurpose system gives an advance method to sow, plow and cut the crops with minimum man power and labor making it an efficient vehicle. The machine will cultivate the farm by considering particular rows and specific column at fixed distance depending on crop which is controlled manually by the driver.