INTRODUCTION:

In the current scenario most of the countries do not have sufficient skilled manpower specifically in agricultural sector and it affects the growth of developing countries. So it's a time to automate the sector to overcome this problem. An innovative idea of our project is to automate the process of sowing crops such as sunflower, baby corn, groundnut, cotton and vegetables like beans, lady's finger, pumpkin and pulses like black gram, green gram etc to reduce the human effort and increase the yield. The plantations of seeds are automatically done by using DC motor. The distance between the two seeds are controlled and varied by using Microcontroller. It is also possible to cultivate different kinds of seeds with different distance. Also the project consists of sprinkler, which would be used for reducing the wastage of fertilizers that is done by spraying appropriate amount of fertilizers required for the particular crop. The sprinkler would sprinkle on the senses from wheel reaches the end of the field we can change the direction with the help of remote switches. The movement and the on and off of the sprinkler would be controlled by Microcontroller. Thus the Robot whole process is controlled by Microcontroller.

LITERATURE SURVEY:

In the current scenario most of us have come across the atomization in various fields as the advancement of technology has to a lead tremendous development in the industrial products that have made our lives a lot easier and helpful than what our ancestors faced. The advancements especially in the field of agriculture have helped evolve a new era of development and growth of different developing countries. The atomization in this field has been a trademark for the people who are completely dependent on agriculture for their survival and other needs.

Accordingly a report made says that most of the agriculture equipments that are been projected in various fields, that is either by researchers or by the engineers are practically very difficult to implement. These equipments made are mostly very complex in terms of field operation or are either less efficient as they are implemented based upon on the basic concept from the design point of view. Many of the other devices developed based upon the concept of seed sowing and fertilizing are either a single application devices or they are very less efficient. As these devices are developed taking in point the present scenario in the field of agriculture