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(57) Abstract :
[014] The work aims to design an agricultural robot, which helps the agricultural people where it performs operations such as digging of soil, sowing of seeds, spraying pesticide, cutting grass and ploughing and the detection of obstacles. In previous techniques were complicated as well as expensive. More than 40% of the people in the world choose agriculture as the primary occupation, in recent years the development of the automatic vehicles is increased in the agriculture field. This AGRIBOT uses the renewable energy i.e. solar energy obtained from solar panel powered battery; it also consists of a visual obstacle detector and a Bluetooth module which is paired with a Bluetooth terminal application through which it is easily controlled and the instructions are given to the AGRIBOT for the operations to be performed. Hence this is a low cost AGRIBOT and is easy to operate without the need to go to the field personally it also helps the farmers to facilitate to ease work by reducing human effort, saving time and energy. The advantages of these robots are hands free and fast data input operation. By this farming can be done easily in any climatic condition irrespective of day and night. This agribot compared to other robots is very beneficial as it has multitasking functional system and advanced techniques for smart farming.
Accompanied Drawing [FIG. 1] [FIG. 2] [FIG. 3] [FIG. 4] [FIG. 5] [FIG. 6] [FIG. 7][FIG. 8][FIG. 9]

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