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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 Binetooth module which is paired with a Binetooth 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 oper ate without the need to go to the field per sonally it also helps the famore to officiate to ease work by reducing human denergy. The advantages of these robots are hands free and find that intury toperation. By this famining 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 faming. Accompanied Drawing [FIG. 1] [FIG. 3] [FIG. 4] [FIG. 5] [FIG. 6] [FIG. 7][FIG. 8] [FIG. 9]

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