

A Survey Paper on Comparative Study of Autonomous Pesticide Spraying Robot

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Abstract: *This survey focuses on creating a smart farming solution that combines autonomous pesticide spraying and crop harvesting, all controlled through a user-friendly Android application. In simpler terms, it aims to develop a robot that can take care of two crucial tasks on the farm automatically. This innovative technology is designed to enhance efficiency in agriculture by automating the application of pesticides and the harvesting of crops. The Robot will be equipped with advanced features, such as autonomous navigation, allowing it to move around the farm independently. This not only saves time for farmers but also ensures that the pesticide spraying and harvesting processes are carried out with precision. The integration with an Android application adds a user-friendly interface for farmers to control and monitor the robot. The project envisions a sustainable and technology-driven approach to farming, reducing the manual labor required for pesticide application and crop harvesting. With the help of robot, farmers can expect increased productivity, improved crop yields, and a more streamlined farming experience. This project aligns with the goal of advancing agricultural practices by incorporating automation for the benefit of farmers and the overall farming ecosystem*

Keywords: Pesticide spraying , Harvest Transport Robot, Autonomous, Android application

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