

Multi-Purpose Agriculture Robot

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Abstract: *Multipurpose agriculture robot is design to enhance efficiency and reduce human labour, this project presents the design and development of a Multi-Purpose Agriculture Robot capable of performing these tasks autonomously. The robot is equipped with a seeding mechanism to ensure precise planting, an automated pesticide spraying system to enhance crop protection, and a grass-cutting module for maintaining farmland. The system is designed to be remotely monitored via a mobile or web-based application, enabling farmers to control operations with minimal intervention*

Keywords: Autonomous Farming, Precision Agriculture, Seeding Mechanism, Pesticide Spraying, Grass Cutting, , Automation in Agriculture, Smart Farming

