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Agriculture Robot

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Abstract: *The integration of Internet of Things (IoT) technology in agriculture has led to significant advancements in precision farming and crop management. This abstract introduces an IoT-based agricultural robot designed to revolutionize modern agriculture practices. The proposed robot is equipped with various sensors, actuators, and connectivity features, allowing it to collect data, make informed decisions, and perform tasks autonomously. With a focus on sustainability, resource efficiency, and increased crop yield, the IoT agricultural robot offers a comprehensive solution to address the challenges faced by the agriculture industry.*

As we know backbone of our country is agriculture. Recently numbers of changes are happening in agriculture technology like ploughing, seeding, fertilizing, weeding, harvesting, spraying etc. For developing our economical condition it is necessary to increase our agricultural productivity and quality also. Out of the multipurpose agriculture robot help farmers with automation and the work becomes easy and errorless. Robots small sized wheels performs well, the lightweight of the robots do not compact the soil. The main requirement of Automation is to reduce man power in our country; the buzzword in all industrial firms generally involves electrical, electronic component as well as mechanical part. Automation saves a lot of tedious manual work and speeds up the production processes. So it is a time to automate the sector to overcome this problem. In India there are 70% people dependent on agriculture..

Keywords: IOT, seed sowing, Cutting, humidity check, soil moisture check, temperature check, digger, rechargeable batteries

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these efforts, concisely and plainly presenting specific examples of the latest robotic mechanisms and practices for agricultural applications.

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