# Automated Farming Robot

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Robotics is a fascinating field of engineering that provides many opportunities for research. In addition, the evolution of technology in recent years has led to intelligent mobile robots. As farms grow in size, together with the size of the equipment used on them, there is a need for ways to automate processes, previously performed by the farmer himself, such as handling the equipments himself to perform the task. The control of these robots, however, is a difficult task that involves knowledge in different areas such as robotics, automation, programming, electronics, etc. The objective of this research is to technically develop the new agricultural technologies to savings in terms of both cost and time, to optimize production efficiency, declining availability of manpower, minimize production-associated risks. Hence automation is the ideal solution to overcome all the shortcomings by creating machines that perform the operations and automating it to increase yield on a large scale. In this the robots are developed to concentrate in an efficient manner and also it is expected to perform the operations autonomously such as Drilling (for plantations of seeds), seed dispensing and watering. For manual control the robot uses the Bluetooth pairing app as control device and helps in the navigation of the robot outside the field

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