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## Patent Search

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**Abstract:**

ABSTRACT Farmers are unable to find the right kind of labour for their industry. The grocer is unable to classify the diseased fruits and vegetables. We are unable to find contaminated fruits and vegetables in the market. A pick and place robot for agriculture that uses colour sensors is a proposed method where society, time, and man are the crucial constraints for task completion on the largest scale. In the majority of routine and frequently performed tasks, automation plays a significant role in reducing human labour. In this project, pick and place operations are carried out by a robot. We are building a Pick and Place Robot with a Colour Sensor.

**Complete Specification****Description:****BACKGROUND ART**

Nowadays, it is difficult for farmers to get workers to harvest their crops. Numerous crops are harmed as a result. Farmers are experiencing financial issues. The farmer cannot bring the crop to the market on time. They thus incur a loss since they are unable to sell the harvest for the right price. Farmers are required to pay their employees more over the holiday season. They are also unable to harvest the produce properly or sell it at the right time to the markets. Therefore, the farmer experiences significant losses during some festival times. And cultivating won't be possible for future generations. The shop assistant is unable to categorize the ill fruits and veggies. They consequently experienced a loss of revenue. Workers classify the fruits and vegetables in the market on a huge scale. So without the proper maintenance, goods get spoiled and cannot be sold in the market. During the pandemic time, shopkeepers and labours cannot access directly the fruits and crops. Fruits and vegetables are not available to consumers due to health concerns, resulting in economic losses.

**OBJECTIVE OF INVENTION**

To produce smart agri bot for multi - crop harvesting

**SUMMARY OF INVENTION**

Today, it is very challenging for farmers to get their workers to harvest their crops. Many crops are damaged as a result. Farmers are facing financial difficulties. They are unable to bring their crop to the market on time. As a result, they are losing money as they are not able to sell the harvest at the right price. They have to pay more to their employees during the holiday season. They are not able to harvest the crop properly or sell it to the markets at the right time. Therefore, they are losing a lot of money.

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