

Project :AgRoBot

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AGROBOT is stands for AI In Agricultural . In the Agricultural sector, there are many activities such as ploughing, sowing seeds, spreading water to plants, cultivating crops, spraying medicine on plants, and cutting off plants And they use different types of machine to perform individual function. It is very difficult that they needed different machines and most important work in Sunny Days. My is to make an automatic low cost agriculture robotcompair tu tractor,etc. which can perform multiple function with smart Monitoring of system field using Raspberry , Maintenance of proper water supply.

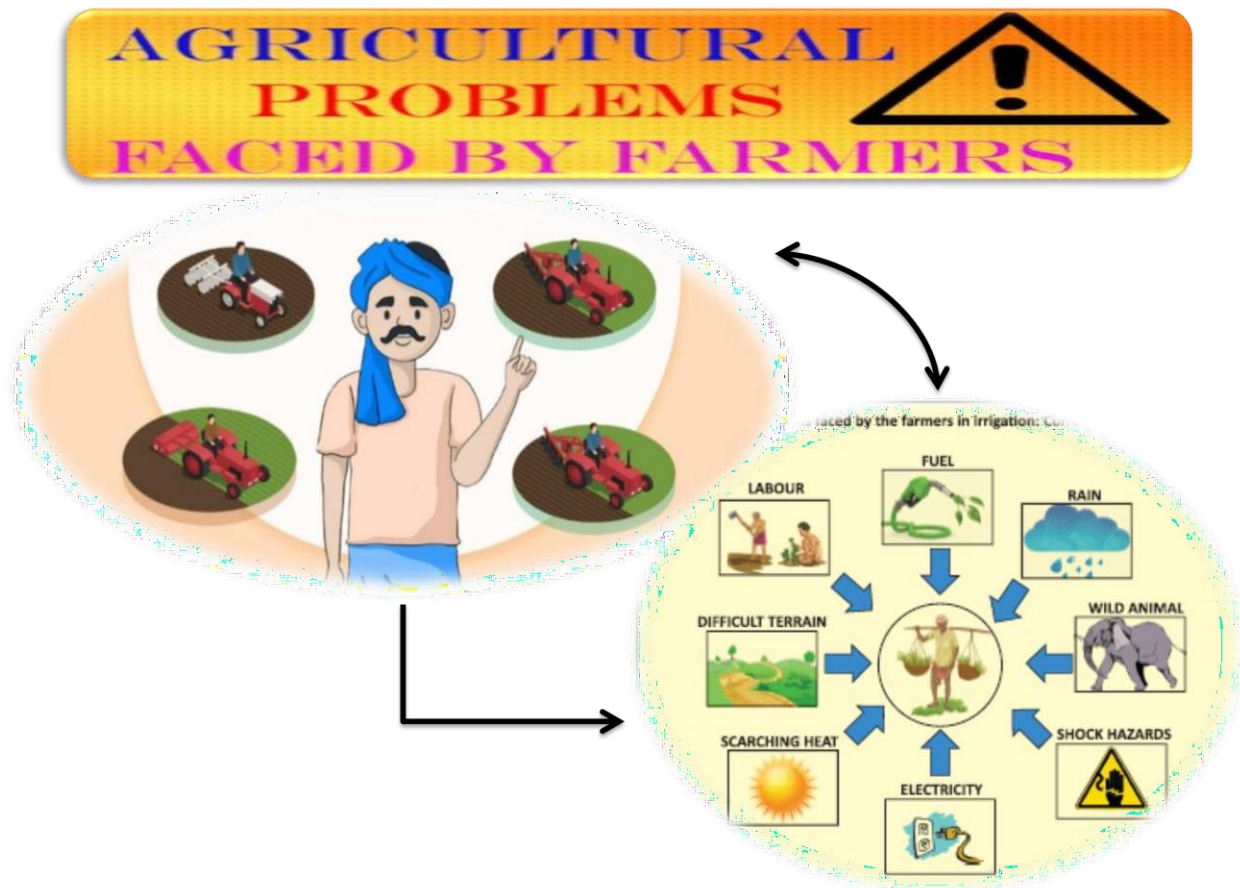
In Previous or Nowadays farmer need Animal, Tractor, etc. for land they need different types of machine to perform various activities . My Idea is to build Smart and Ai-Agriculture Robot which can perform Multiple-function like Sowing of seed , Digging in the field , Rolling on a field , Cudding & Digging , Harvesting & Water pumping Or Irrigation .



Design : The AGROBOT is a prototype of an autonomous vehicle for precision farming applications. Based on an high-level task description provided by the farmer through a possible remote ground control station, the robot will deploy a proper path within the target vineyard, or the olive grove. The associated robot perception, navigation and control architecture will make the system able to react and adapt to unforeseen events, such as dynamic obstacles (people or animals moving in the field), And we have used the sensors like Soil moisture, DHT11 ,Solenoid , RainDrop, etc. The 2 unique features we use that is –

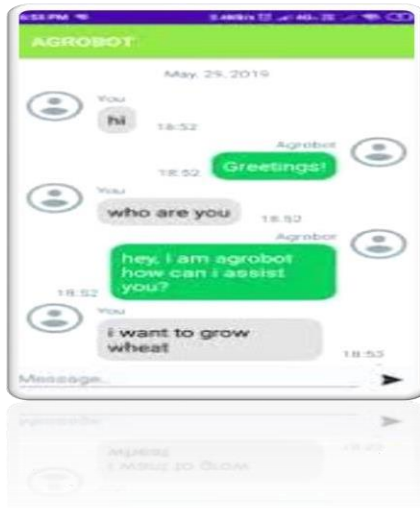
(1.) Dual axis solar tracker tracks the angular height position of the sun in addition to following the suns east- west movement.

(2.) Mera SATHi Agrobot (App)- This App is directly connected with Agrobot and we easily do the farming from any point/location by chatting . For Ex – we messaged go and spray/water the plant and machine will perform that task. This app is combined Whatsapp + Google Assistant.



Farmers are looking for new approaches to use technology to cut costs and reduce labor hours. The Internet of things (IoT) has brought an uprising revolution to many fields of common man's life by making everything **I**ntelligent, **P**erceptive, **S**mart, and **T**rained.

2.) FUTURE SCOPE -



Mera Farm A



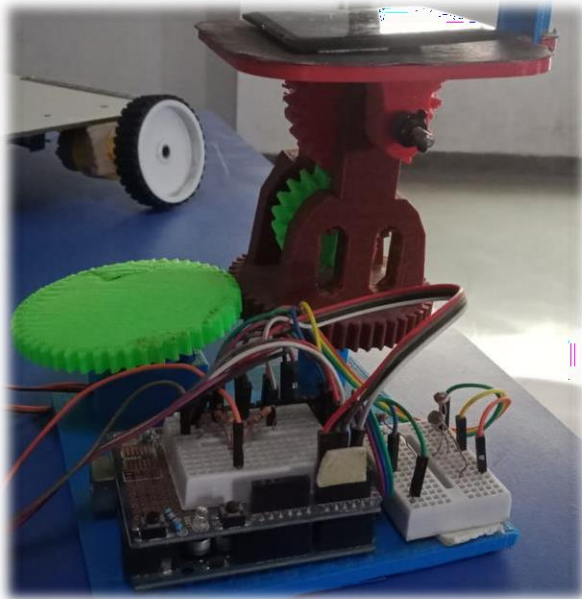
LIKE ALL IN ONE AGRICULTURE ROBOT



किसानो के लिए वरदान है

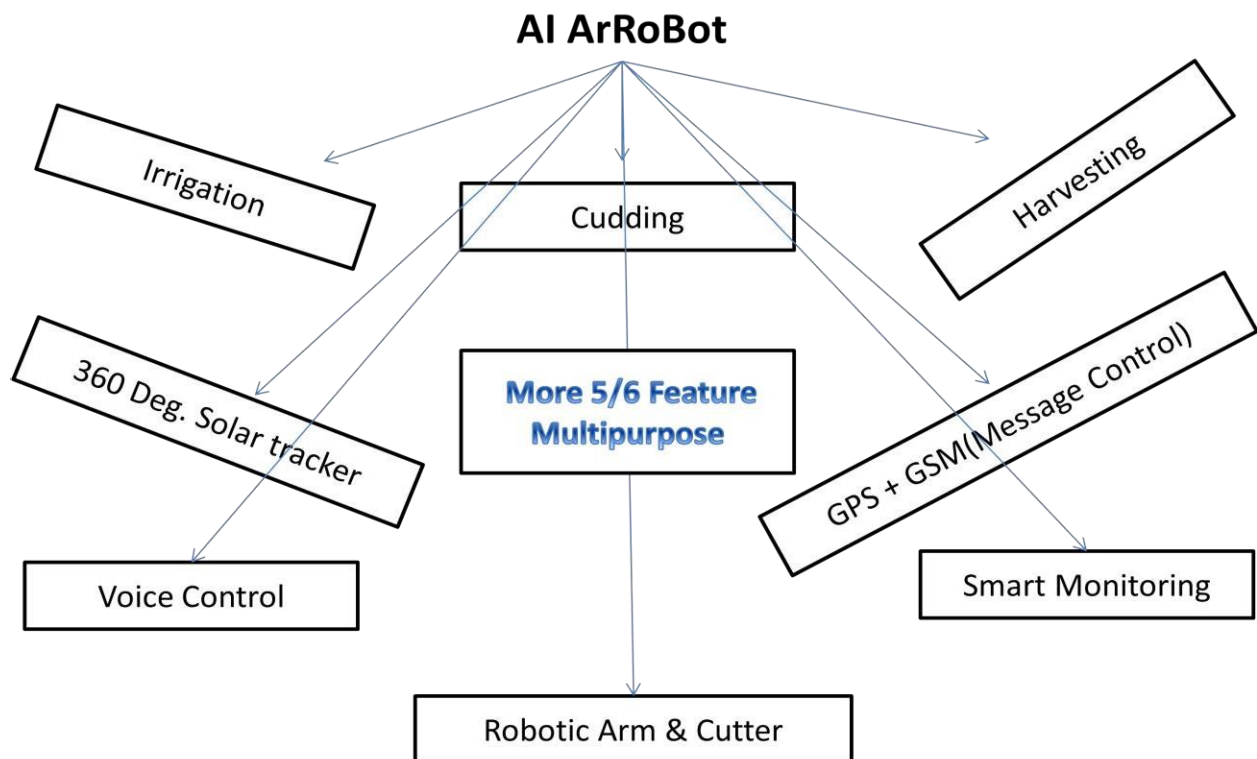
No Need To Buy Such Expensive Machines & Waste of Money

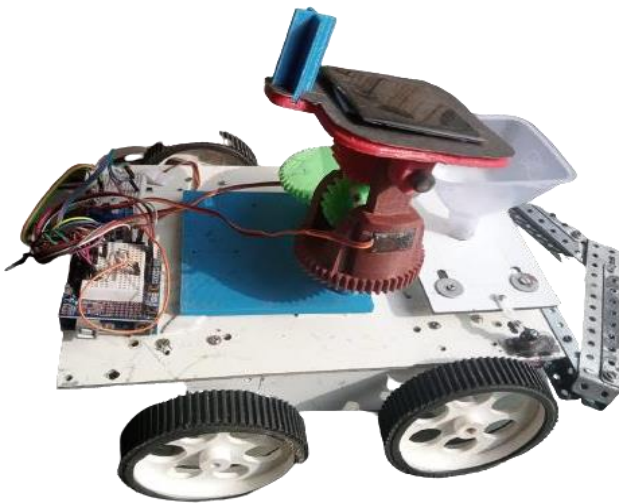
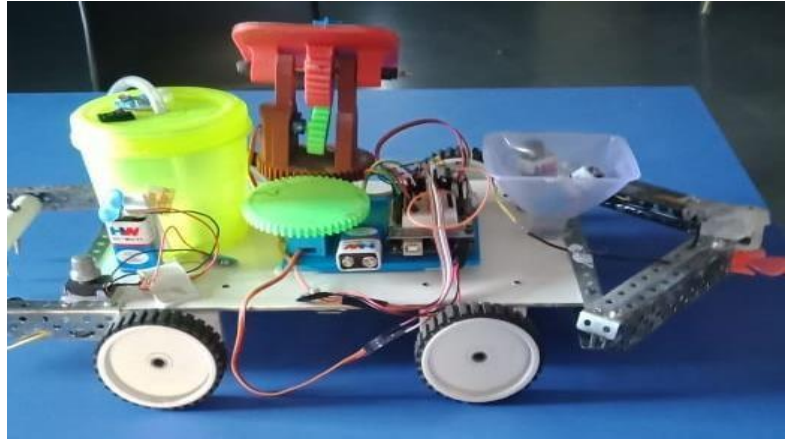
1.) UNIQUE FEATURE IS :



In Sun tracking solar system project solar panel follow or track the sun with the help of LDR. It follow the sunlight according to sunlight intensity. the purpose to make this project to grab maximum amount of sunlight so, the maximum amount of energy extract.

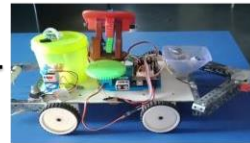
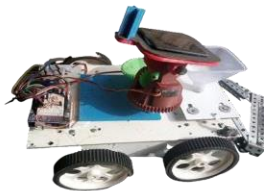
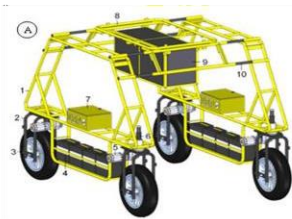
Our Solar Tracker Which Work In Motion .





Rs. 5.50-5.85 lac*
to
Rs. 7.89-8.50 lac*

Ex - 1 to 3 lac Aprox
Include Distributor



Smart Farming Robot