



وزارة الرياضة والشباب
Ministry of Sports and Youth
دولة قطر • State of Qatar



Project title

THE SMART FARM

Project Overview

It is an innovative robotic system that provides a sustainable and smart environment for farming. This is achieved through several stages, the most important of which are



-The Smart Farm:

which contains an intelligent system for cooling and irrigation, continuously monitoring temperatures and providing data on the amounts of water used.



- The Smart Robot:

which works on harvesting fruits, determining the growth stage of the plant, and identifying its needs for water and nutrients.



- The Programmable Drone (Unmanned Aerial Vehicle) :

It is used to get a broader view of the plants, and it can water distant plants and treat them when necessary.

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Providing a smart environment for farming and conducting precise analysis of plant growth.