IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.301
Volume 3, Issue 3, June 2023

Design and Development of Autonomous Farming with Plant health Indication System

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Abstract: *Families in India rely on agriculture for close to three-quarters of their income. Plant illnesses and insects like the Tongo virus, moths, and butterflies affect almost all types of crops. Farmers have trouble identifying true sickness. An average of 80% of crops suffer damage from disease and insects, according to an Indian crop survey. Diseases can be avoided if the issues are known in advance. Using IoT technology, these industries have room for development. Therefore, we are developing an Internet of Things (IoT) based robot that will keep an eye on the crop as well as its surroundings. This method employs machine learning to pinpoint the issue and implement countermeasures to illnesses and insects that threaten the crops. In addition to an ESP 8266 for IoT, several sensors are employed to examine the environment. Although several prototype guiding systems have been created, they have not yet been made available for purchase. Our crop monitoring technology would benefit Indian farmers because it is effective and reasonably priced.*

Keywords: IOT, Disease, ESP 8266, Agriculture, Farmer

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