Camera Ready Summary

Conference Name
International conference on Internet of Things 2023

Paper ID
644

Paper Title
An efficient IOT based Autonomous Robot Technology for Farming

Abstract
Digital farming is the use of modern technology such as sensors, robotics, and data analysis to automate tasks that farmers formerly performed. This study focuses on a semi-automated vehicle capable of ploughing, seeding, and water irrigation, which is one of the most recent agricultural robotics accomplishments. Object detection in a route in the context of automated farming. Concerns include programming algorithms and enhancing sensor performance. Digital agricultural gateways, Multi-Functional Vehicles, Humanoid Robots, aerial photographs, and ground-based sensors for creating virtual farms were all examined as possibilities. One of the hottest technologies and research issues in the agricultural area is the creation of a swarm of tiny robots and drones to work with farming inputs and reveal previously hidden or denied data. In the instance of automated robot farming, automated programming with a function might be faster and more efficient than the existing professional. Despite the fact that robots and farming are merging, an automated agriculture system has to be accepted as true, which will not be deployed anytime soon.

Authors
Dr V Krithika - krithikv@srmist.edu.in **ORCID Id** 0000-0002-1637-6681
Nandhini Murugan - nandhinm@srmist.edu.in
Anitha Kumari Sivathanu - anithaks@srmist.edu.in
Dharmarajan Elangovan - dharmarajan.elangovan@gmail.com
Arun Arun - arunboniface@gmail.com
Pranneesh Kumar - praneeshkumar24@gmail.com

Camera Ready Files
An efficient IOT based Autonomous Robot Technology for Farming- ICIOT Conference - Camera ready copy.docx (2.4 Mb, 4/22/2023, 10:03:45 PM)
AIP_Conference_Proceedings_License_Agreement.pdf (407.1 Kb, 4/22/2023, 10:05:19 PM)

Camera Ready Questions Response

1. Paper Format

Yes

2. Title of the paper

An efficient IOT based Autonomous Robot Technology for Farming

3. Author details

1. Krithika Vaidyanathan,
2. Nandhini Murugan,
3. Anithakumari Sivathanu,
4. Dharmarajan Elangovan,
5. Arun Boniface,
6. Praneesh Kumar

4. Copyright form

Yes

5. Camera ready copy

Yes

6. Agreement

Agreement accepted