

A Smart Agriculture World for ROBO IN AI

ADB.Vinothramkumar¹, Dr.N.Kamaraj²

¹, PhD (Research scholar) , Department of Computer science, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, Tamilnadu

². HOD OF IT, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, Tamilnadu India.

Abstract

Internet of Things (IOT) technology has become one of the leading subjects of scientific research field because of its potential application. This paper briefly introduced the introduction of IOT technology and agriculture IOT technology. Agriculture development in China is transiting from traditional to modernization, and equipment with modern material conditions is urgently needed. In the first section, it describes the concept of IOT and agriculture of things, as well as some of the key technologies of agriculture networking applications, namely (a) agricultural sensor technology; (b) wireless transmission technology; (c) RFID technology; (d) agricultural product quality security technologies; (e) intelligent irrigation technology; and (f) precision seeding and spraying techniques. The second part introduces the development status of IOT technology in intelligent agriculture, and the use of resources in agriculture, agro-ecological monitoring of the environment, and agricultural production of fine management, application analysis and safety of agricultural traceability aspects. With the development and progress of science and technology, information technology in agriculture has become increasingly important, especially in recent years. With the development of new networking technologies, intelligent agriculture also shows a broad development prospect. The third part analyzes the intelligent microirrigation control technology. Followed by a discussion of the three aspects of IOT technology deficiencies in the existing practical applications, namely industry standards, information integration and business model aspects of the problem, and accordingly at the macro we give three suggestions. The last part gives the prospects of intelligent agriculture and its shift to wisdom of agriculture.

Keywords

Internet of Things Intelligent agriculture Intelligent monitoring Intelligent control Microirrigation technology

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