Artificial Intelligence in Agriculture-A Review

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Abstract: *India is the agriculture dominated country, everyone is directly and indirectly dependent on agriculture products for everyday needs. the world's population has reached 8 billion and is projected to reach 9.7 billion by 2050, increasing the demand for food production. the application of ai in agriculture has been widely considered as one of the most viable solutions to address food inadequacy and to adapt to the need of a growing population. our traditional method which was used by the farmer were not sufficient enough to fulfil the requirements. consequently, synthetic intelligence technique is added. this method supplied meals requirement and employment possibilities to many people. agricultural sectors included crop management and prediction and disease and pest management. finally, it presented challenges and trends that are promising when considering the future directions in ai for agriculture. this era includes crop yields caused by various factors such as climate change, population surge, employment issues, and food security issues. the main difficulty of the document is to verify the many artificial intelligence applications in agriculture, including irrigation, weeding and spraying integrated with sensors and other tools used in robots and drones.*

Keywords: Agriculture research, use of AI, crop, weed, and disease management

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139