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Soil Type Detection and Crop Recommendation Using IoT Devices and Machine Learning

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Abstract: The rapid advancement of technology has paved the way for innovative agricultural practices. This paper presents a comprehensive survey on soil type detection and crop recommendation systems utilizing Internet of Things (IoT) devices and Machine Learning (ML) algorithms. By integrating real-time data collection through IoT and predictive analytics via ML, farmers can make informed decisions, optimize crop yield, and enhance sustainable practices.

Keywords: soil type detection ,crop recommendation , agricultural, Internet of Things , Machine Learning



