GreenEye: Smart Consulting System for Domestic Farmers

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Abstract

Always it is challenging for typical domestic farmers to maintain a good homestead in today's world and with the ever-growing economic concerns. To save time, money, and energy, they must keep up with the advancements of incorporating technology in their farming practices to ensure that their crops are up to the standard and optimized for the maximum yield. Domestic farmers may grow crops for economical gain, pleasure, stress relief, decorative purposes, Etc. However, regardless of the purpose, everyone must be aware of good farming practices. No matter the intention, challenges, and outcomes, everyone engaged with plant growth is the same. In today's with the advancement of the technology, a lot of domestic farmers are using modern technology along with their growing practices. Experimenting with intelligent growth mechanisms and intend to use modern technologies to provide advice that is useful for all gardeners who prefer home gardening. Additionally, the most crucial aspects of plant care are recognizing the ideal plants for each season, identifying stress factors, diseases, soil moisture levels, and predict the harvest based on the current environmental conditions. Green Eye mobile application aims to provide a comprehensive solution to technologized domestic farmers using image processing technologies for their most common concerns.

Keywords

Domestic Farmers, Maturity Level, Plant Identification, Smart Consulting, Stress-Factors, Soil Moisture