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Agri Logic Solution

Vaishnavi V. Kahandal[1], Harshda A. Nathe[2], Avishakar B. Dhikale[3], Anchit S. Gaikwad[4], Prof. A. S. Barapatre[5]
Students, Department of Computer Engineering[1,2,3,4]
Professor, Department of Computer Engineering[5]
Matoshri Aasarabai Institute of Technology & Research Center, Nashik, Maharashtra, India

Abstract: *This project is a very practical and impactful initiative, especially for rural development in India. By providing an easy-to-use digital platform for village crew members, it strengthens grassroots administration. When local teams can schedule awareness events, store documents, and monitor activities in one place, it increases transparency, coordination, and efficiency. Instead of depending on manual records, they can make faster and better-informed decisions.*

The integration of soil analysis data into the software is particularly valuable. Agriculture is the backbone of rural India, and soil health directly affects crop yield and farmers' income. By allowing farmers to enter nitrogen (N), phosphorus (P), and potassium (K) values from their soil reports, the system turns technical data into actionable guidance. This reduces guesswork in crop selection and fertilizer usage. As a result, farmers can lower input costs, avoid overuse of fertilizers, protect soil health, and increase profitability.

Government initiatives like soil testing programs and funding schemes such as Rashtriya Krishi Vikas Yojana (RKVY) and Macro Management of Agriculture (MMA) show that soil health management is already a national priority. This software complements those efforts by ensuring that the collected soil data is actually used effectively at the farmer level.

In my opinion, the real strength of this project lies in combining administrative management with agricultural decision support. It not only helps village crew members organize awareness events but also directly improves farmers' livelihoods. If implemented properly with proper training and digital access, this system could significantly enhance rural governance, agricultural productivity, and sustainable development.

Keywords: Cloud computing, Mobile computing, Information and Communication technologies

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