

# AgroVision: A Web-Based Open Discussion Portal for Small Farmers and Agricultural Students

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**Abstract:** *Small-scale farmers in India face numerous challenges due to limited access to scientific agricultural knowledge and personalized guidance. At the same time, agricultural students require practical exposure and real-world interactions to supplement their academic learning. This research paper, titled "Agro Vision: A Web-Based Open Discussion Portal for Small Farmers and Agricultural Students," presents a solution that bridges this gap through a digital platform designed for collaborative agricultural knowledge sharing.*

*Agro Vision offers focused discussions on crops, fertilizers, vegetables, seeds, fruits, and climate-related challenges. The platform is built using Spring Boot (Java), ensuring a scalable, modular and structured discussion threads enable effective two-way knowledge exchange between farmers and students. This paper outlines the system's design, development methodology, and socio-economic impact on rural agricultural communities..*

**Keywords:** Small Farmers, Agricultural Students, Web-Based Portal, Knowledge Sharing, Crop Advisory, Community Forum etc

