

AI DRIVEN AGRICULTURE CHAT BOT FOR SMALL SCALE FARMERS

K.Madhubala¹, K.AnbuMaheshwari², T.Muneeswari³

^{1 2 3} Department of Computer Science and Engineering, PSRR College of Engineering, Sivakasi, India

The project is to develop a comprehensive AI-powered discussion system tailored specifically for agriculture, integrating voice and image recognition technologies. This system aims to provide farmers with a user-friendly platform for engaging in agricultural discussions, enabling seamless exchange of information, analysis of crop-related queries, and dissemination of expert advice. By leveraging AI capabilities, the system aims to enhance decision-making processes, optimize farming practices, and ultimately contribute to increased agricultural productivity and sustainability. It enables farmers to engage in discussions with AI-driven assistance to exchange knowledge, share experiences, and learn from each other's successes and challenges. It serves as a decision support system by analyzing data from various sources, including historical farming data, weather forecasts, and market trends, to assist farmers in making informed decisions related to planting schedules, irrigation, fertilization, and harvesting.