

AgroMitra: A Multilingual AI Chatbot for Farmers and Agricultural Students

1. Crop Recommendation Based on Season, Area & Soil

- a) Takes user input for season, soil type, and location (via voice or text).
- b) Analyzes data to recommend suitable crops based on soil compatibility, weather, and market prices.
- c) Responds in the user's regional language through text and voice.

2. Harvesting Guidance (Voice-enabled)

- a) Provides step-by-step instructions for planting, irrigation, fertilizing, and harvesting the selected crop.
- b) Instructions are delivered in the local language, both in text and audio.
- c) Helps illiterate farmers easily follow the process using voice guidance.

3. Pesticide Calendar & Notifications

- a) Generates a calendar with scheduled dates for pesticide use, watering, and fertilizer application.
- b) Sends reminders to the farmer's mobile (via SMS or app) in their native language.
- c) Alerts are also available as voice messages for convenience.

“” All the inputs and outputs should have both Voice and text in selected regional language (Hindi,Telugu,English,Kannada,Tamil,Myalam) ””