

AGRICULTURE VOICE BOT INTEGRATED WITH CROP PREDICTION USING ML

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A Voice based answering technique that lets the farmers to get their queries answered via interactive voice chats about farmer's general queries. This is popularly referred as "conversational chatbot". AI-based Voice assistants can recognize human voice and respond via integrated voices. IBM's Watson, Apple's SIRI and Google's Alexa, Microsoft's Cortana are few very popular answering techniques that are used widespread. An exclusive user-friendly answering technique like conversational chatbot for agriculture is highly in-demand. The proposed system is a web application which was developed to assist the farmers by the voice bot. Using this application, farmers will progress towards better farming practices, increase the agricultural production and bot also provides crop prediction. The system uses the Natural Language Processing technique to parse the user queries, identify the key words, match them with Knowledge Base and respond with the accurate results. To make the responses more understandable, the responses are generated using classification algorithms and produce non textual responses so that it can be easily perceived by the users.