

AgriAssist : Your One-Stop Solution for Smart Farming

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Abstract: *Today's digital era, agriculture remains a vital sector responsible for feeding the world's burgeoning population. Farmers, however, grapple with numerous challenges that impede their productivity and profitability. These include crop diseases, fluctuating market prices, inadequate storage facilities, and transportation hurdles. To address these multifaceted issues, AgriAssist an innovative mobile application designed to empower farmers through data-driven insights and seamless connectivity. It offers market trend analysis and pricing data to maximize farmers' earning and include tools for efficient resources management, reducing postharvest losses. By bridging traditional farming with modern technology, AgriAssist fosters a sustainable and profitable agricultural ecosystem, promoting collaboration and resilience among farmers.*

Keywords: Crop Disease Prediction, Market Price Analysis, Storage Facility, Transportation Hurdles, Random Forest Algorithm