

AgroRate: A Comprehensive Web Application for Tracking Bazar Samiti Rates, Farming Updates, and Weather Forecasting Across Maharashtra

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Abstract: *The Farmer Marketplace Website is an innovative online platform designed to connect farmers with agricultural service providers, suppliers, and buyers. By offering a comprehensive range of tools and resources such as equipment rentals, agrochemical supplies, financial assistance, warehousing, soil testing services, market rates, and weather forecasts, the platform aims to enhance productivity, streamline operations, and improve profitability within the agricultural community.*

The agricultural sector in Maharashtra is highly dependent on real-time market data and weather conditions. AgroRate aims to bridge this gap by providing a web application that allows farmers and traders to access daily price updates of vegetables and grains from various bazar samitis (agricultural markets) across the state. The system will feature two panels: one for the bazar samiti administrators and another for farmers.

This system will empower Maharashtra's agricultural community by increasing market transparency, supporting better decision-making, and improving farm productivity. AgroRate will not only streamline the pricing process but also provide farmers with critical information, boosting both their incomes and resilience against market volatility and weather conditions.

Keywords: Agricultural Marketplace, Farmer Connectivity, Online Platform, Agricultural Services