



**NALLA MALLA REDDY ENGINEERING COLLEGE**  
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## **Agri Empower: Digital Ecosystem for Crop Commerce and Micro-Credit**

### **ABSTRACT**

This project presents a web-based crop trading platform designed to connect farmers directly with buyers, eliminating intermediaries and ensuring fair pricing and timely transactions. The platform enables farmers to list their crops, manage inventory, and communicate with buyers in real time. Additionally, it integrates a micro-loan facility, allowing farmers to access short-term financial support through partnered banks or government schemes. The system is developed using HTML, CSS, and JavaScript for the front-end, Flask (Python) for back-end processing, and MySQL/MongoDB for database management. Features include real-time notifications, user authentication, secure transactions, and a responsive user interface. This platform promotes digital agriculture, financial inclusion, and efficient supply-chain management, improving farmers' income and market access.

**Keywords:** Crop Trading Platform, Farmer Empowerment, Micro-Loans Integration, Digital Agriculture, Direct Market Access, Financial Inclusion, Flask Web Application, Real-Time Notifications

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