



**AMAL JYOTHI**  
**COLLEGE OF ENGINEERING**  
**A U T O N O M O U S**

# AGRICORUS

24MCAR296 - Main Project

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# ABSTRACT

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## AgriCorus – Smart Agricultural Land Lease, Crowdfunding & Agri-Commerce Platform

Agriculture in India faces issues such as land underutilization, farmer capital shortages, limited technology adoption, fragmented value chains, and weak market linkages. Many land parcels remain idle while farmers lack access to land, credit, or infrastructure—and urban investors seek sustainable agri-investment opportunities with transparency. AgriCorus offers a unified Smart Land Lease, Agri-Funding & E-Commerce Platform connecting landowners, farmers, investors, vendors, and administrators. It enables leasing idle agricultural land, crowdfunding for cultivation, online farm-input commerce, and digital contract governance with secure escrow.

This ecosystem strengthens rural development through data-driven agriculture, financial inclusion, supply chain integration, and smart farm services.

## SOFTWARE PROJECT PART 2

### 1. Landowners

- Register and list agricultural land.
- Upload ownership proofs and documents.
- Add geo-tag, soil type, water availability & access details.
- Set lease terms and duration.
- View and approve/reject lease requests.
- Generate digital lease agreement.
- Receive lease payments through escrow.
- Raise and respond to disputes.

### 2. Farmers

- Register and complete KYC.
- Search land by filter.
- Request land lease.
- Apply for cultivation funding via crowdfunding.
- Generate digital lease contracts.
- Receive disbursements through escrow.
- Raise disputes.
- Upload crop images for disease/pest prediction.
- Purchase fertilizers, pesticides, machinery via marketplace.
- Track order delivery status.
- Rate and review vendors' products.

### 3. Investors

- Register and complete KYC.

- Browse farm-based investment projects.
- Contribute financing to selected projects.
- Track ROI and funding performance.
- Generate digital funding agreements.
- Raise disputes.

#### 4. Vendors

- Register business profile and verify credentials/KYC.
- Upload product catalogue: Fertilizers, Pesticides, Equipment & tools
- Manage inventory levels & pricing.
- Receive orders placed by farmers.
- Provide product descriptions, safety compliance documents.
- Track shipments/deliveries.
- Respond to customer queries and complaints.
- Provide warranty/service support for equipment.
- Receive payments via escrow after successful delivery.
- View ratings & feedback to improve services.

#### 5. Admin

- Verify land documents, identities (farmers, investors, landowners, vendors).
- Manage user roles .
- Oversee lands, projects, farm investment funds.
- Manage escrow and fund release milestones.
- Resolve disputes (lease violation, funding misuse, purchase malfunction or delivery failure).
- Generate analytical platform reports.
- Approve vendor registrations and products.
- Monitor product quality compliance and rating systems.
- Handle order-related disputes.
- Track marketplace performance and logistics integration.