

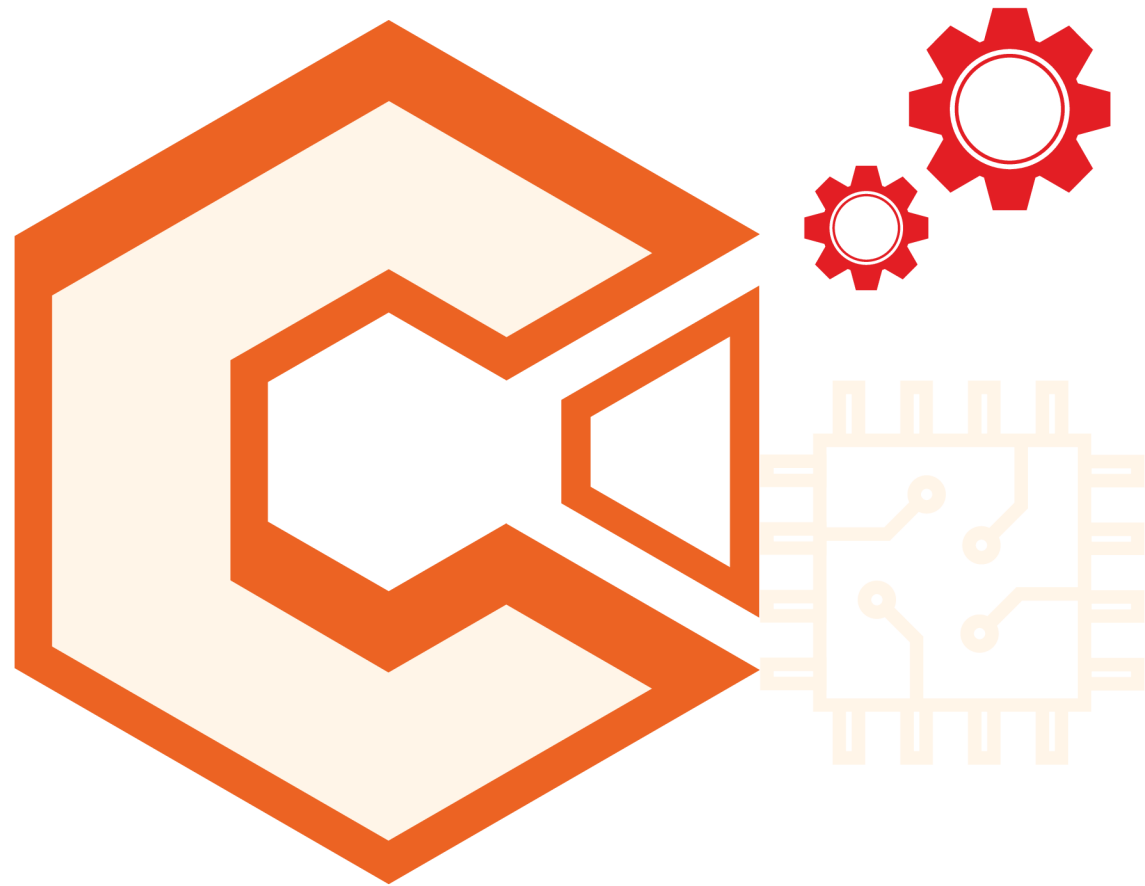


Agro Farming App

Empowering Smart Agriculture Through Technology

Agro Farming App is an integrated farm management platform that supports farmers and agricultural organizations with tools to manage crop, inventory, machinery, and farm data.

Core Features:

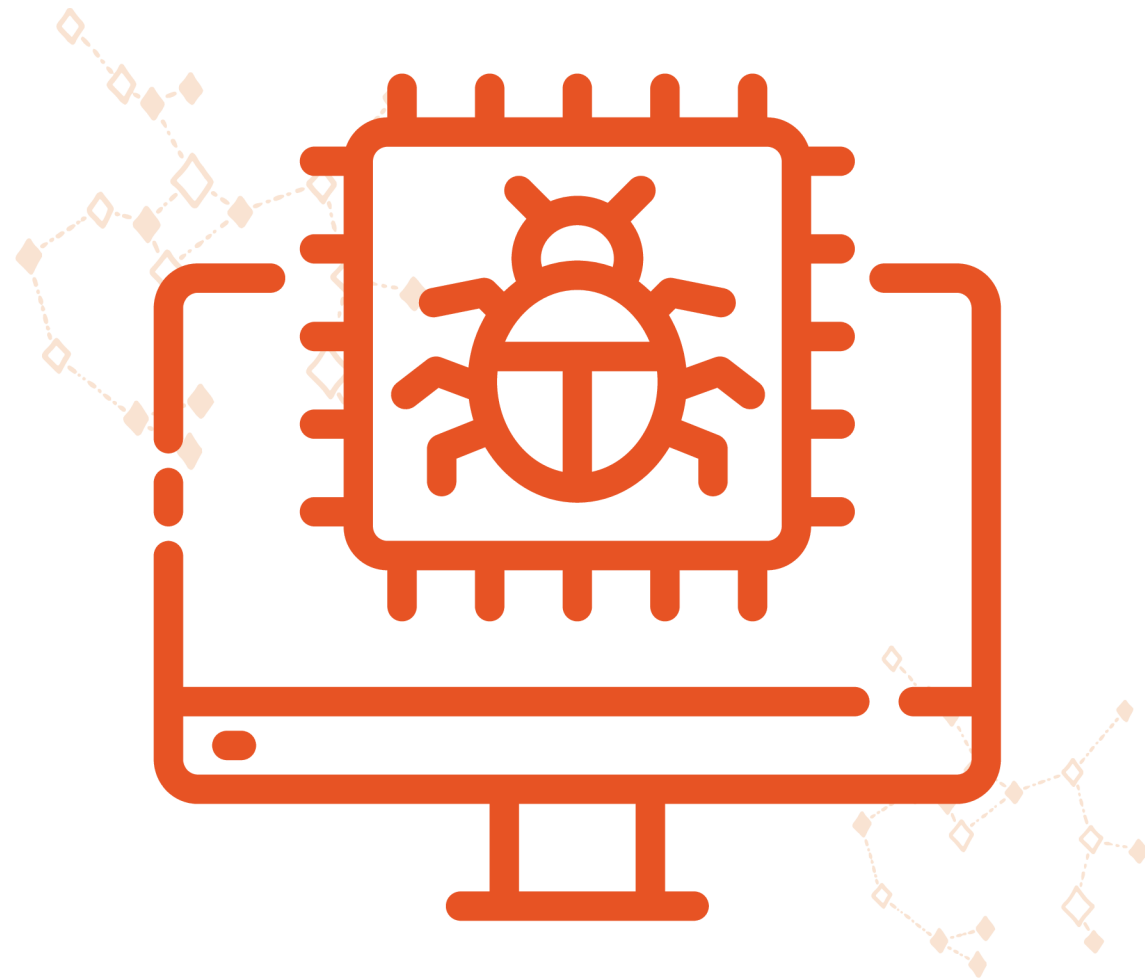


- ✓ Latest Agriculture News & INVENTORY module implemented
- ✓ Farm Details module implemented
- ✓ Crop-wise inventory details module implemented
- ✓ Machinery Details module implemented
- ✓ Crop Details module implemented
- ✓ Stock Details module implemented
- ✓ FPO Details module implemented
- ✓ Farm Management List module implemented

Weather and news widget integrated

- ✓ Admin dashboard with user activity logs
- ✓ Fertilizer and pesticide logs
- ✓ Messaging system between supervisor and FPO and Farmer. If supervisor or FPO or Super user wants to communicate or announce any message to farmer, they can share their message.
- ✓ User role wise user can access dashboard and functionality.

Dashboard & Functional Modules



Key Dashboard Components:

- ✓ Latest Agriculture News SliderFarm Details module implemented
- ✓ Inventory Overview
- ✓ Farm Details and Crop Management
- ✓ Machinery Details and Maintenance Logs
- ✓ Stock and FPO (Farmer Producer Organization) Records
- ✓ Search, Filter facility

Latest Agriculture News & INVENTORY



- ✓ Displays recent agricultural updates and inventory overviewInventory Overview
- ✓ Dynamic dashboard with crop, machinery, area wise farm and inventory details
- ✓ Improves user engagement and information visibility.

Machinery Details

Machinery Details

Please enter Your Machinery Details

Machine Name	Manufacturer Name	
Water Pump	Kirloskar Brothers Ltd.	
Purchase Date	Capacity	Electric Consumption (in kWh)
11-10-2025	7.5 HP	4.2 kWh/hour
Diesel Consumption (in Kmpl)	Status	
Electric machine	Out of Order	
Maintenance Record	Remarks	
Motor rewind and bearings replaced in May 2024.	Runs for 4 hours daily during irrigation season	

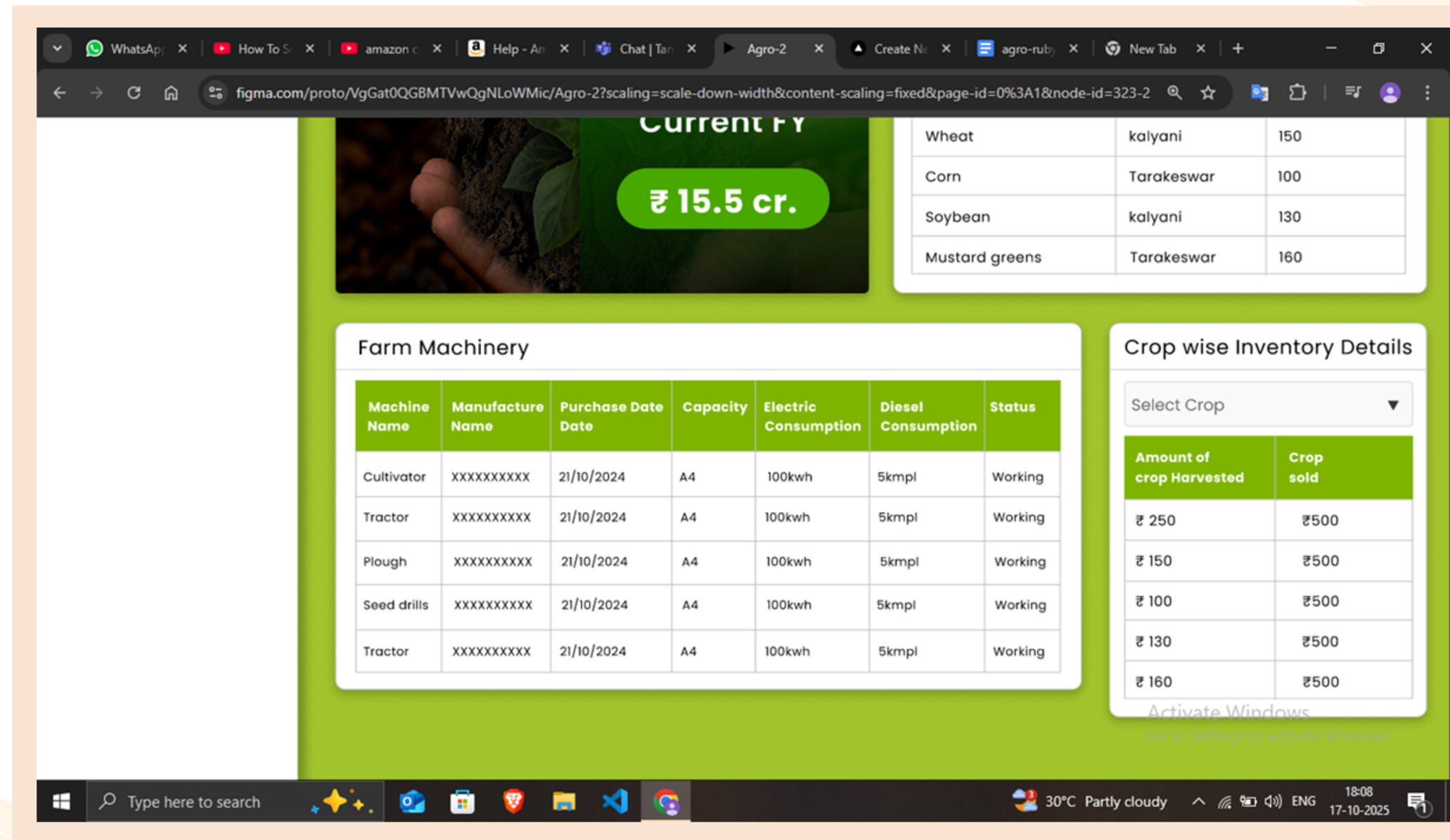
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Submit

- Maintain list of available machinery
- Integrates with farm operations

- Add, edit, and delete machinery entries

Crop-wise Inventory Details



- Categorized inventory by crop type
- Provides efficient inventory tracking

- Supports quick lookup and stock analysis

Farm Details

Search...   Niladri Dey ▾

 Dashboard

 Farm Details

 Farm Machineries

 Crop Details

 Stock Details

Farm Details

Success! Your submission was successful. 

Please enter Your Farm Details

Map of your farm

test12546

Number of Unique Crop Farms

20

Address

1/2abcxyz

District

Howrah

Pincode

711110

FPO Name

Athena Chowhai ▾

Field size data

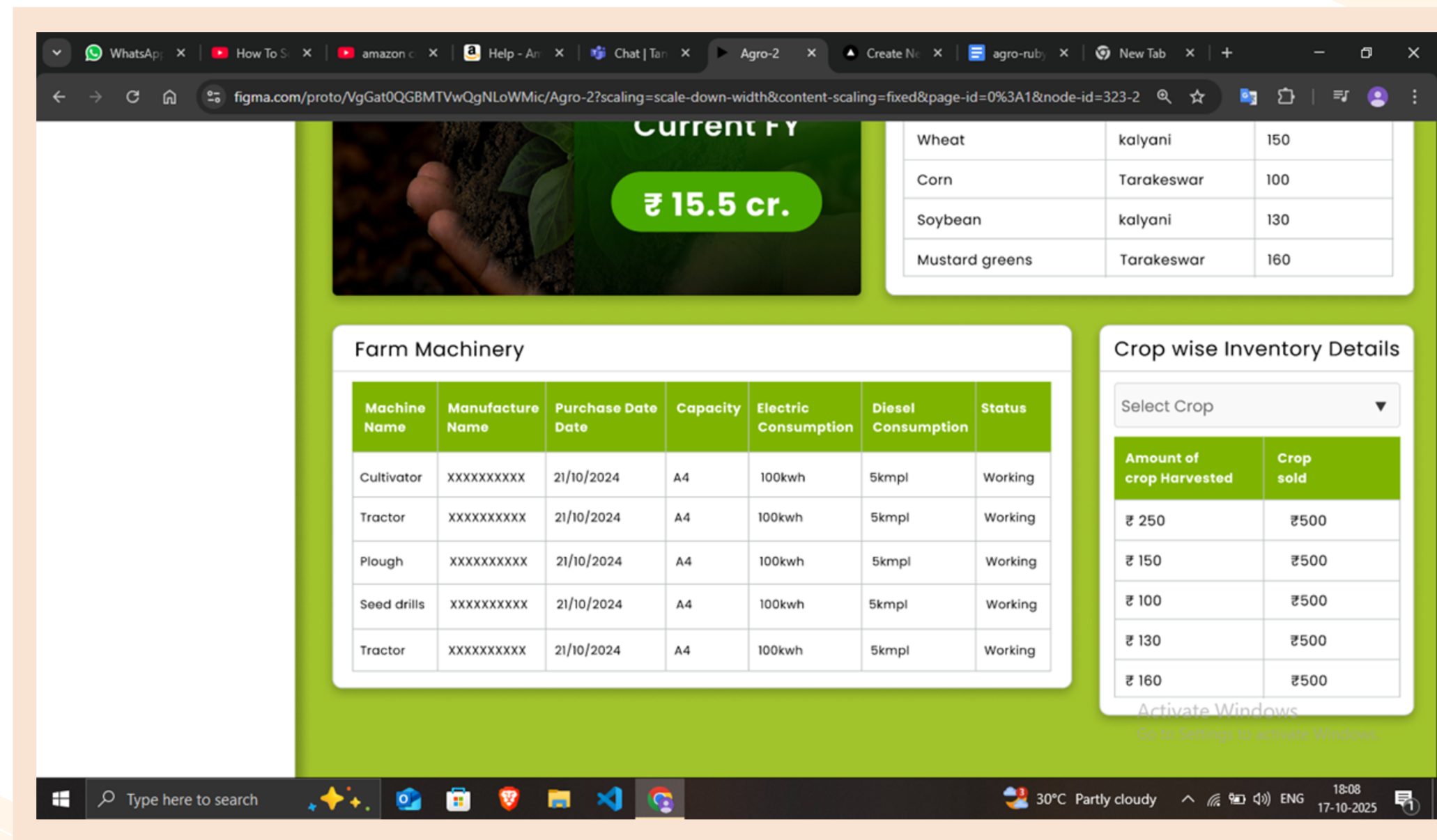
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Submit

- Area wise Farm details
- Integrates with crop cultivation and harvesting operations

- Add, edit, and delete Farms entries

Crop Details



- Manage crop information and type
- User can be notify when the crop will be harvest

- list of crop which are under cultivation
- Area wise crop information.

Stock Details

Machinery Details

Show 5 ▾

Machine Name	Manufacturer	Purchase Date	Capacity	Electric Consumption	Diesel Consumption	Status	Maintenance Record	Action
Tractor	test	2024-09-05	171	3.535 kWh	17.3 Kmpl	Operational	test	  
cutter	farmet	2024-11-12	11	45 kWh	11 Kmpl	Under Maintenance	record1	  

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Activate Windows

- Inventory count and availability overview
- Stock details related to Machinery and Area wise crop details.

- Delete and add functions available

FPO Details



FPO Details



Farm Management
List

- Information about Farmer Producer Organizations
- Useful for cooperative farming management

- Data entry and editing enabled

Farm Management List

Error! An error occurred while saving details. Please try again.

Please enter Your Machinery Details

Machine Name	Manufacturer Name	
Water Pump	Kirloskar Brothers Ltd.	
Purchase Date	Capacity	Electric Consumption (in kWh)
11-10-2025	7	4.2
Diesel Consumption (in Kmpl)	Status	
0	Out of Order	
Maintenance Record	Remarks	
Motor rewound and bearings replaced in May 2024.	Runs for 4 hours daily during <u>irrigation</u> season.	

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Submit

- Comprehensive management list for farms
- Central control for all farm operations

- Provides access to linked modules

Summary & Recommendations



Future Goals: aims to become a one-stop digital companion for farmers and agro-enterprises.

- ✓ Integrate IoT-based field sensors
- ✓ Predictive analytics for crop health and soil condition
- ✓ Collaboration tools for farmers, suppliers, and buyers
- ✓ AI-powered crop recommendation and yield prediction
- ✓ Fertilizer recommendation engine
- ✓ Voice and text-based Agro Chatbot
- ✓ Farm Geo-tagging and map-based insights
- ✓ Multi-language support and subscription features



Thank You