

# Team Details

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# 2023

**Ministry/Organization Name/Student Innovation**

Ministry of Rural Development

**Problem Statement Title**

Developing an algorithm / programme to measure increase in income of FPOs on account of project interventions under WDC 2.0.

**PS Code - 1435**

**Team Name - V6**

**Team Leader Name - Kartik Mehta**

**Institute Code (AISHE) - 029**

**Institute Name - KIET Group of Institutions**

**Theme Name - Agriculture, FoodTech & Rural Development**



ग्रामीण विकास मंत्रालय

भारत सरकार

MINISTRY OF RURAL DEVELOPMENT

GOVERNMENT OF INDIA

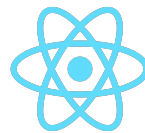
# Idea/Approach Details

## Solution Details

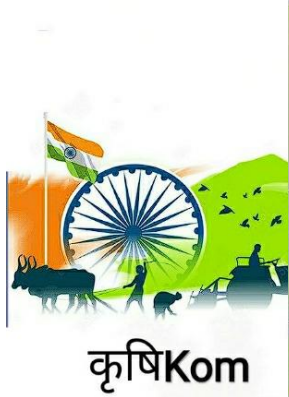
- Weather Monitoring and Crop Advice
- AR-Based Irrigation Architecture
- Sustainable Agriculture Practices
- Community Building and Training
- Shared Farming Equipment
- Global Market Trend Analysis
- Financial Inclusion Partner with Financial Institutions
- Farmers - Startups partnership
- Decentralised Server Management

## Technology stack

- Server : Node.js
- Application : Android
- Database : MongoDB
- SMS Service : Twilio
- 3D-Animation : Unity



# Prototype : कृषिKom(KRISHI KOM)



- Providing Government assistance
- Location of nearest Authority office
- Interactive precautionary measures
- One touch SOS helpline support



## Revenue Model

- Localized relevant Ads
- Membership Fee
- Government funding

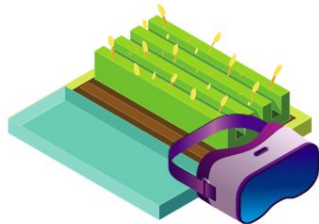




Weather Forecast, Rain Alerts



Equipment Sharing



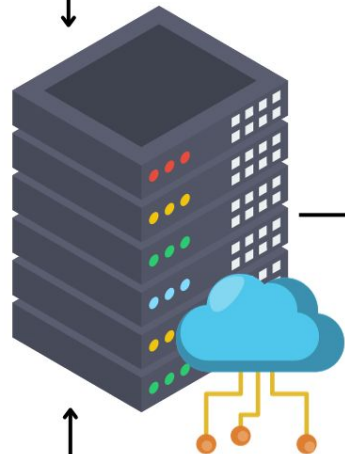
AR based Irrigation visualisation and Planning



Market Trend Analysis



Community building and Training



Central Server



# Team Member Details



**Team Leader Name: Kartik Mehta**

Branch : B. Tech, Stream : CSIT, Year : 4th

**Team Member 1 Name: Ayush Kumar Singh**

Branch : B. Tech, Stream : CSE, Year : 4th

**Team Member 2 Name: Aviral Srivastava**

Branch : B. Tech, Stream : CSE, Year : 4th

**Team Member 3 Name: Akhil Raj Srivastava**

Branch : B. Tech, Stream : CSE, Year : 4th

**Team Member 4 Name: Ranishka**

Branch : Btech, Stream : CSIT, Year : 4th

**Team Member 5 Name: Shivam Sharma**

Branch : B. Tech, Stream : CS, Year : 4th

**Team Mentor Name: Silki Kharaliya**

Expertise Subject : **AI**

Domain Experience : **4 Years**



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