This is BLACK CODES Representing

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REAL TIME CROP MONITORING USING ARTIFICIAL INTELLIGENCE

CONTENT

- Problem Statement
- About
- Abstract
- Use case
- Extraction and Testing stages

PROBLEM STATEMENT

DEVELOP A REAL TIME LAND USAGE MONITORING TOOL USING SATELLITE DATA AND ARTIFICIAL INTELLIGENCE



ABOUT

This project demonstrates the capabilities of field monitoring, crop growth analysis and yield prediction with the help of satellite imagery.

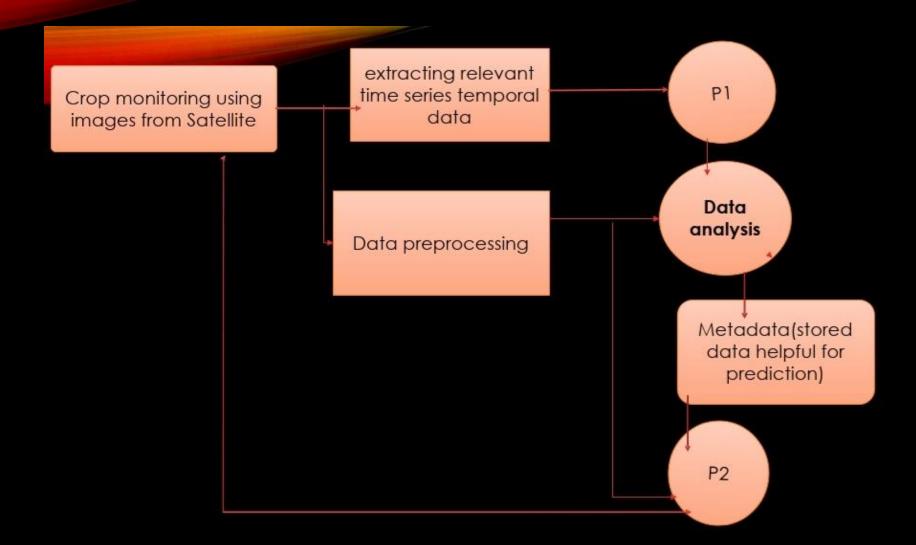


ABSTRACT

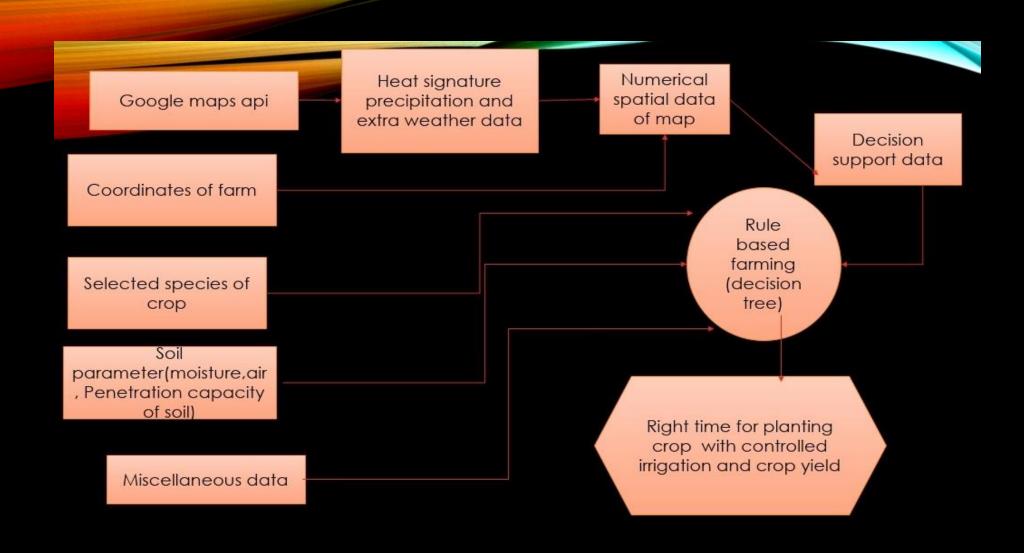
- The influence of natural process and its unpredictability has caused majority of the agricultural crops to be affected in terms of their production and maintenance.
- Forecasting or predicting the crop yield well prior to its harvest time would assist the strategists and farmers for taking appropriate measures for mercantilism and storage.
- Correct prediction of crop development stages plays a crucial role in crop production management
- The accuracy of the crop yield estimation for the varied crops concerned in strategizing and planning is deliberated to be one in every of the utmost important problems for scientific discipline production functions.

- Crop monitoring and forecasting of crop yields for the proposed system are going to be dole out via satellite pictures with low resolution.
- The combination of in depth and extended topographic coverage and its high temporal frequency build these pictures an appropriate choice for the prediction of crop yields and these pictures are trained using artificial intelligence.
- The paradigm distinguishes between crops, the infrared and temperature bands of pictures taken throughout apex season contribute the foremost to the crop prediction.
- The main aim is to match the output of crops to verify whether or not the results are correct for crop yield forecasting then these outputs are going to be displayed in the dashboard for higher read
- This project demonstrates the capabilities of field monitoring, crop growth analysis and yield prediction with the help of satellite imagery.

USE CASE



Part 1: For prediction yield



Part 2: For suggesting methods for increasing yield

EXTRACTION AND TESTING STAGE

the first stage is Extracting data. And now we have performed 5 stages of test

