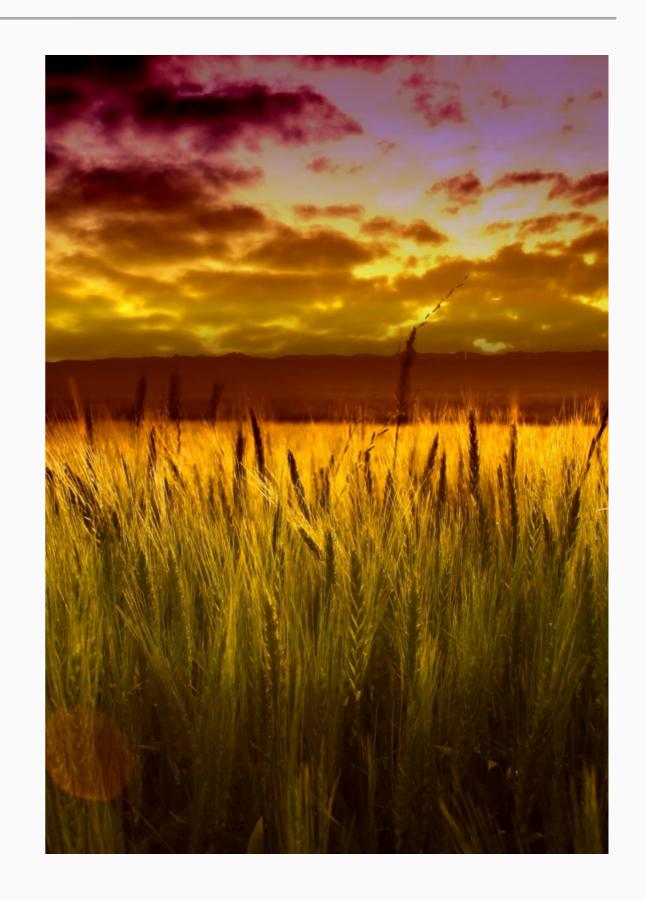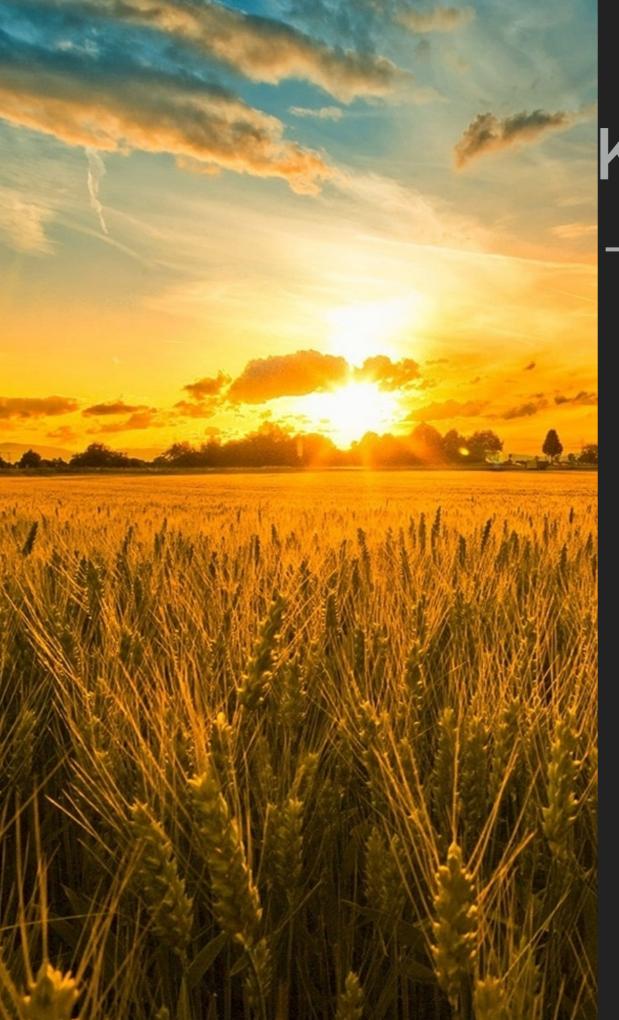SMART AGRICULTURAL

PRODUCTION MANAGER

OUR PROJECT

▸ Every agricultural business faces unpredictability on a daily basis that in turn creates numerous environmental conditions and potential outcomes that must be carefully understood and constantly managed.

▸ We have formed a real-time ,field data driven report of a agricultural farm to predict crop growth rate, estimated production rate ,profitability, and suggestions based on the climate and resources available.

▸ Our goal is to form a software driven platform to bring the discrete sensor datas of a field in a meaning full way to improve productivity.
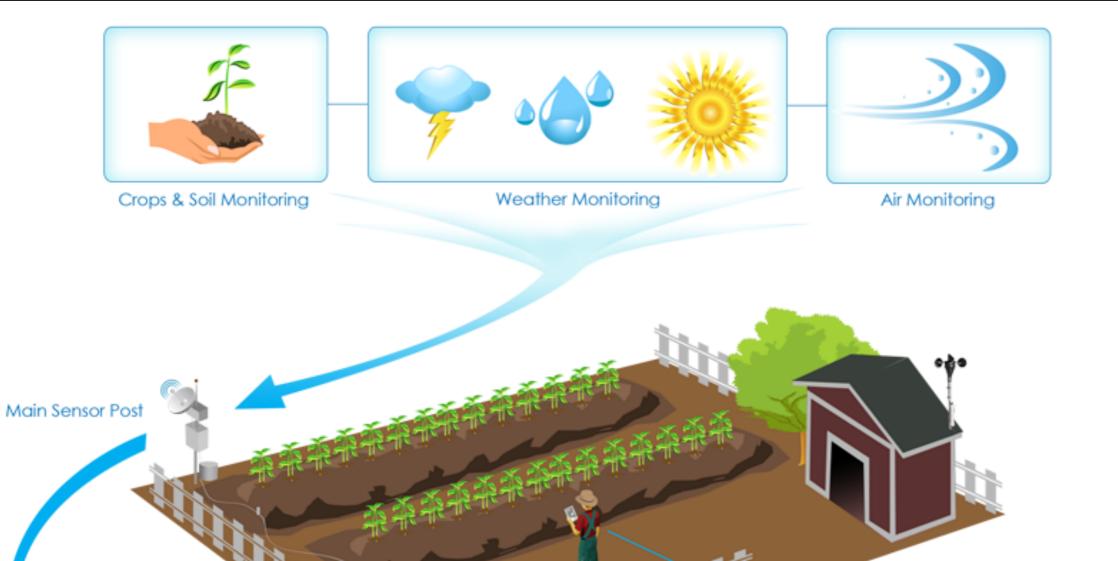
KEY-POINTS

- Easily collect data from incompatible sensors via wireless networks

- Provide a means to integrate, analyze, and correlate different data sets of information into easily-understood and easy-to-customize reports leading to specific actionable outcomes

- Manage end-user permissions, distribute reports and business intelligence through a customizable Web interface

KEY POINTS

- User dashboard
- Online portal for collaboration
- Hazard Notification
- Best Crop Suggestion
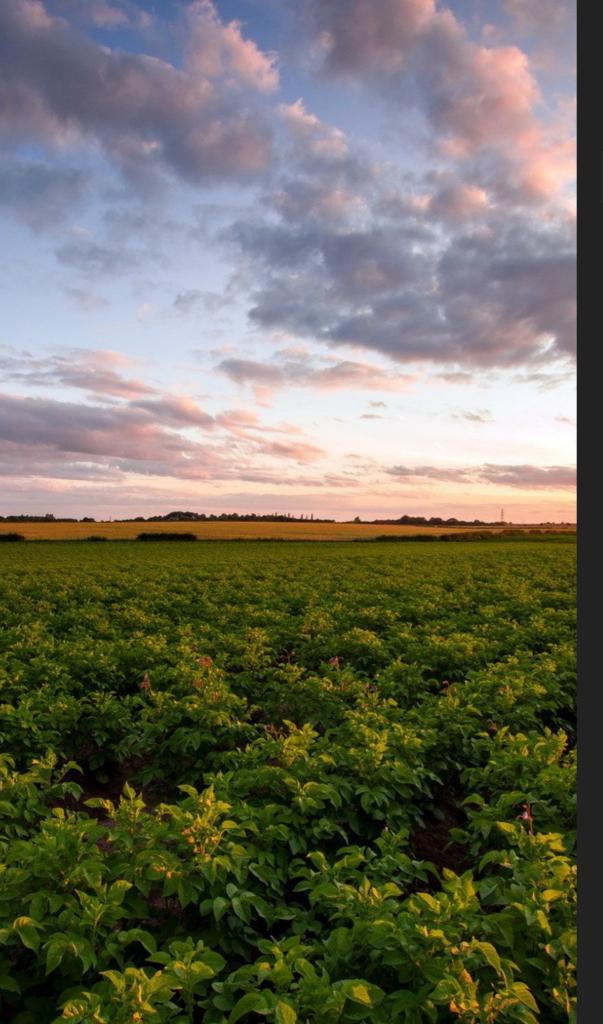- Automation(in Supplies and governing)
- Low Cost Installation

Crops & Soil Monitoring

Weather Monitoring

Air Monitoring

Main Sensor Post

Database Server

Monitorig System

Real-time Data Monitoring

FRAMEWORKS

ANDROID SDK
JAVASCRIPT
REACT JS
MYSQL
JSP(FOR DEBUG)

THE BEST WAY TO PREDICT THE FUTURE IS TO DESIGN IT

PROJECT BY

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Abinesh S
Pahzamalai
Saravanan L S