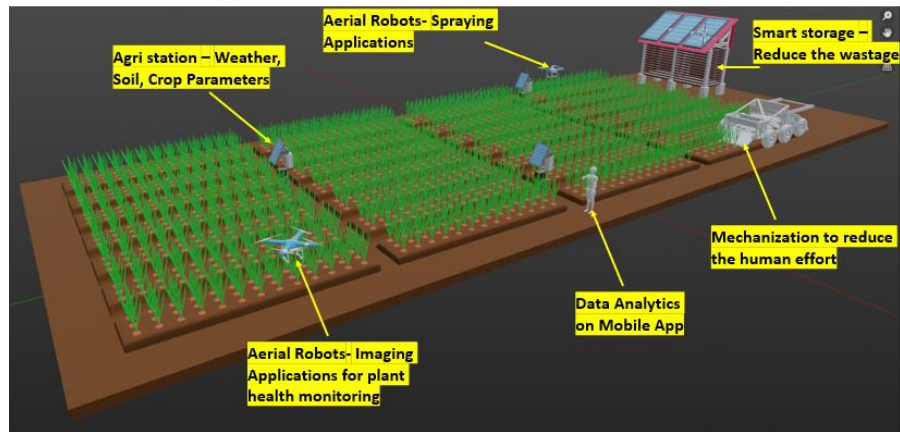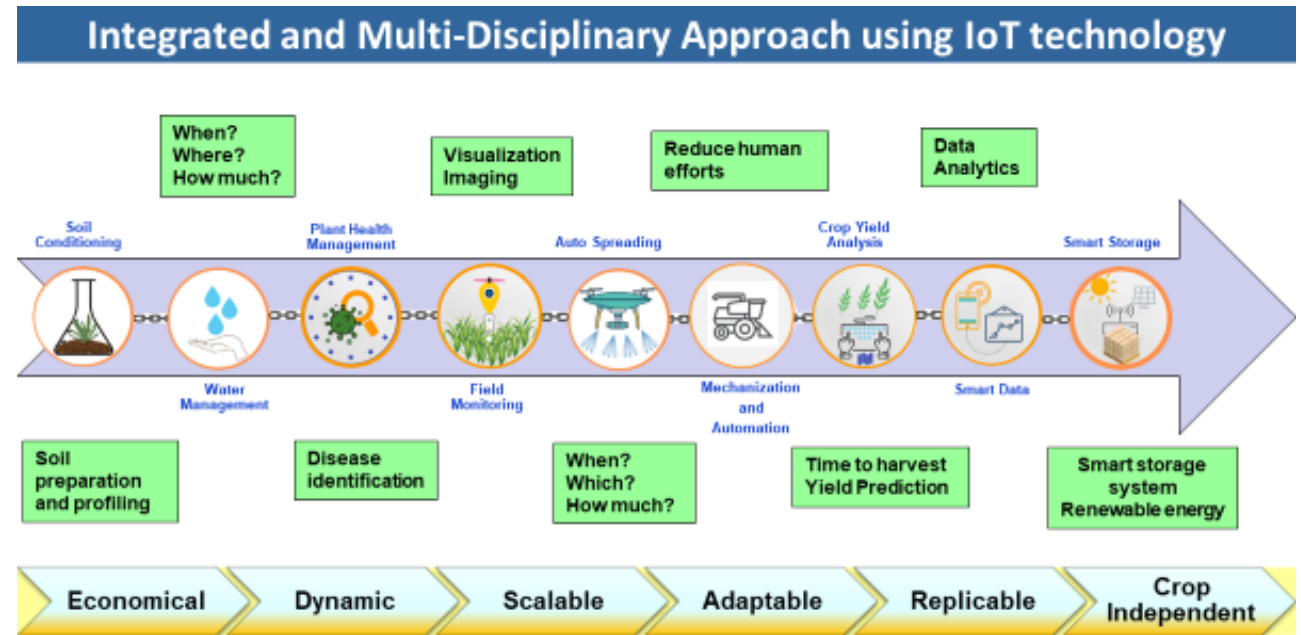**Effective and Efficient Agriculture Project**

Agri Station is a Economical and Scalable Technology that provides end to end solution for effective crop production. The technology uses aerial robots for monitoring soil, weather pattern, crop parameter and sprays applications for increasing crop production. The technology also uses data analytics and machine learning for better decision making. Under Agri Station, conceptualization of Onion Crop has been executed and manufacturing is under process.
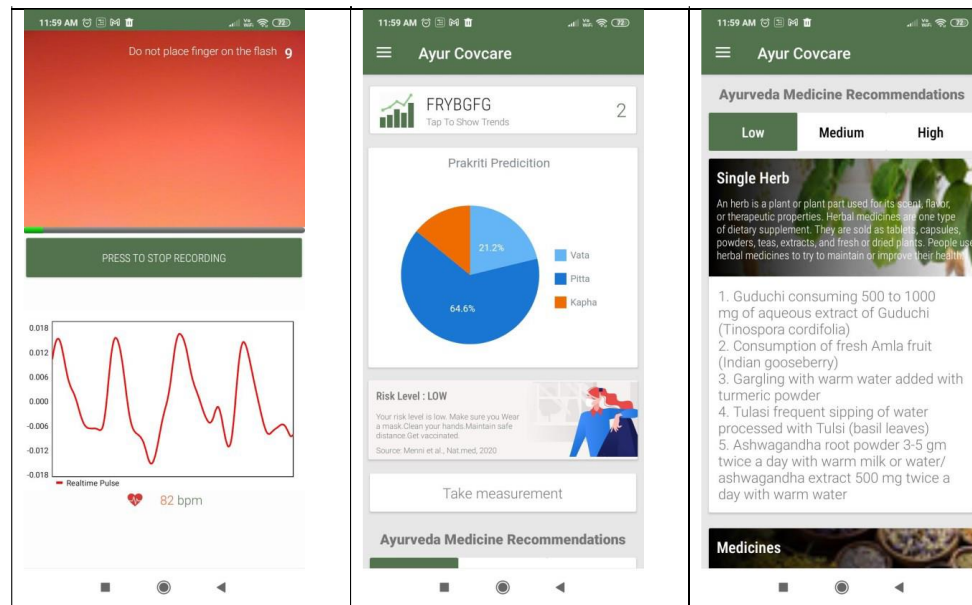

Soil Analytics - IoT and AI based Smart Irrigation and Nutrition Assistant

Soil Trident is IoT based technology that uses statistical models to get weather and soil related information; thus, providing farmers ready to use suggestions for precise irrigation. Precise irrigation helps farmers save significant amount of water and mitigate infrequent irrigation related diseases. The technology is easy to use and low cost.

Integrated and Multi-Disciplinary Approach using IoT technology

AYUR-CoVCARE - Smartphone based Comprehensive Digital monitoring of Ayurveda COVID care using Deep Pulse Analytics and AI-based Recommendation Engine for Therapeutics

The technology provides a AI-based recommendation engine for effective Covid treatment using a patient's standard smartphone. Sitting at home, patient can self-assess their Prakriti questionnaire (designed by the AYUSH ministry) that is verified by Ayurveda doctor. Using AI and machine learning, doctor can develop a personalized therapeutic recommendation for treatment. Post patient discharge, patients can enter their self-observed health for personalised treatment and doctor observation and diet plan.

Learning Modules Using Games

The technology is towards Development of games to the student's engagement, motivation, and thinking skills in Math, Science, and English for Grade 1 to 8. The games revolve around stories (Number Games based on "Alibaba and the forty thieves"), interactive display (multiplication concept games based on finding underwater treasure), real life skills (learning financial planning and application in the real life),