AIHarvest

Let's get farmers technically aided!

What We Propose ?
2 in 1

Realtime Perishable Tracking During Transport.

Realtime Crop Disease Identification

Key Observations

India's farm-produce losses at Rs 92,000 cr, thrice the agriculture budget

Harvest and post-harvest loss of India's major agricultural produce is estimated at Rs 92,651 crore ($13 billion), according to data published by the ministry of food processing industries.

By: Charlie Moloney | Updated: August 11, 2016 4:27 PM

https://www.financialexpress.com/economy/

Key facts about hunger in India

Largest India is home to the largest undernourished population in the world

14.5% of our population is undernourished

190.7 million people go hungry everyday

1 in 4 children malnourished

3,000 children in India die every day from poor diet related illness

24% of under-five deaths in India

https://www.indiafoodbanking.org/hunger

Bacteria:

- *Listeria* can result in blood poisoning and meningitis, and is usually spread by consuming contaminated raw vegetables, ready-to-eat meals, processed meats, smoked fish or soft cheeses.
- **Cholera** can be caused by consuming food contaminated with *Vibrio cholerae*. It causes watery diarrhoea that can be fatal within hours if left untreated.
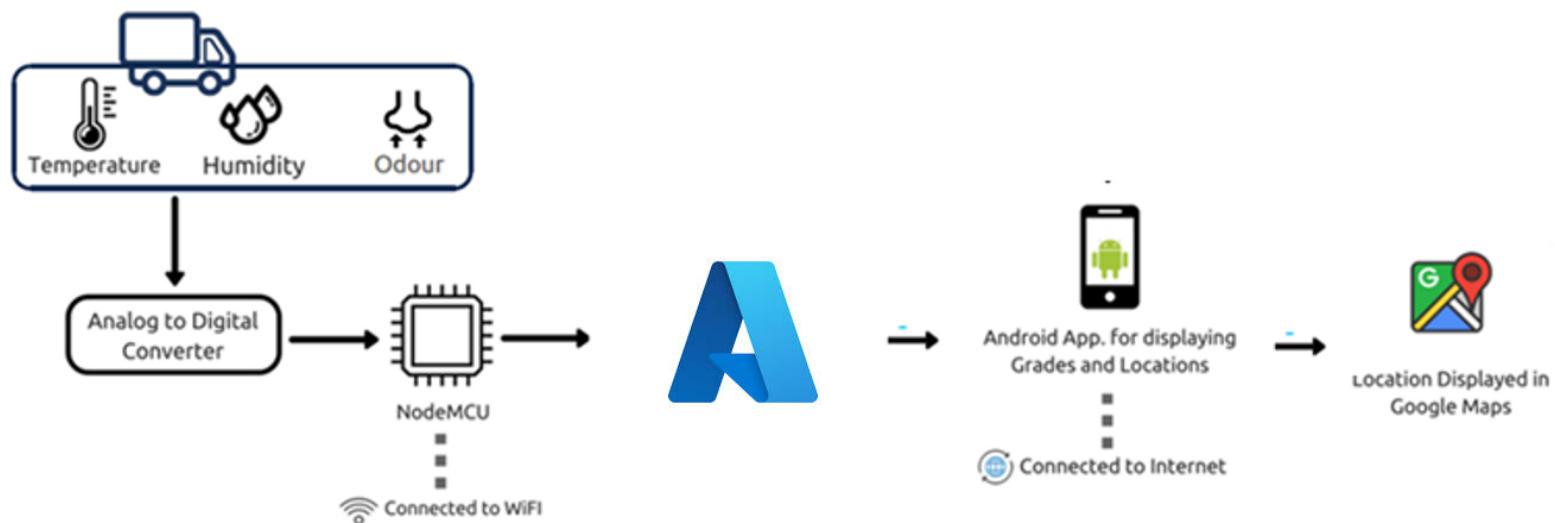
https://www.who.int/foodsafety

At Source

At Destination

FRUIT & VEGETABLES

The Solution

The architecture

Demo

Healthy Organic Crops, AI to rescue! Real-time crop disease monitoring. Insect Identification.
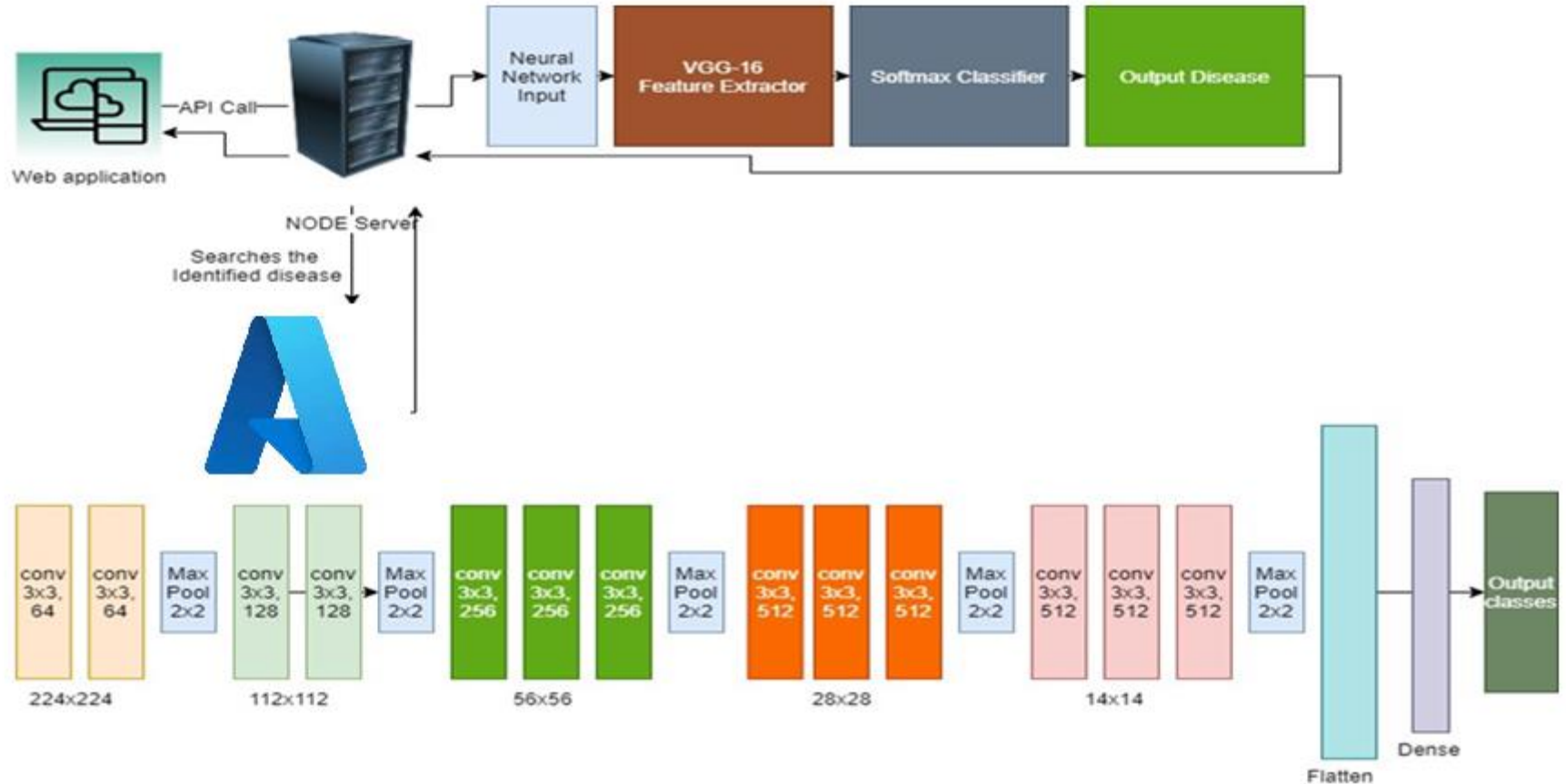
Real time crop disease identification

Motivation:

- Difficulty in identifying the diseases of the plants/crops early
- Lack of mechanisms and affordable technologies to detect the diseases
- Leads to hefty loss for the organic farmers and the nation.

Proposed Solution:

- Simple, affordable easy to use Web Application / Android Application to scan and upload the leaf image.
- Immediate real time disease identification with suggestions for the cure.
- Our Model would identify over 30 diseases caused by various reasons such as pests, fungus, algae, etc. affecting a wide variety of crops including food crops, cash crops, horticulture crops, etc. and presents it to the farmers in an easy-to-comprehend manner, etc.
- Real-Time insect / pest identification to increase **Farmer awareness!**
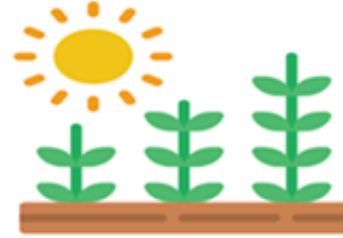
Architecture – Crop Disease Identification

Summary

Real Time

Crop Disease Identification

Crop Health

Hygiene

Geo-Tagging

Scalability

Happy Farmer

Web and Android

Customer Retention