Hariya has no idea about soil moisture or weather and he over irrigates fields.

Not only he lost majority of earlier crop due to disease, he has not saved enough water for second crop.
Insight

1. Lack of timely weather and field advisory puts lot of burden on farmer.

2. He needs an affordable, simple and single solution which can give advisories in time.
Imported technologies have these issues:

- Need calibration
- Too expensive
- No service support
- No training/hand holding
- Not suitable considering the social background of Indian farmers.
Powering Precision Agriculture, Empowering Farmers
What We Do

We provide AI/ML based solutions for efficient irrigation, disease prediction using indigenously developed sensors and IoT platforms.
01 Soilsens Station
A Soil Monitoring System with multiple sensors for high accuracy data and analysis over dashboard and sends the advisory to farmers on mobile app.

02 Soilsens Go
Unique offering in form of a portable moisture meter with a mobile app.

03 Soilsens Automatic Weather Station
Weather Station sends the real time weather parameters and forecast to the farmers.

04 Soil Moisture Sensor
Our indigenously developed State-of-the-art Soil Moisture Sensor which can be integrated with custom IoT Hardware.
IMPACT: Improvement in Yield by 20% and saving in water by 27%
How It Works

1. Select your Product, We deliver, You install.
2. Get the advisory on mobile app.
3. Reduce input cost, improve yield and income.
How are we different?

1. Indigenously built, patented and customized as per the customer needs
2. At a fraction of the cost (less than 50%) compared to the competitors.
3. Sensor is developed by us & no dependency on third party
4. Multiple products and better service support
   Systems reliably working in fields from last 2.5 years
Market

SMART Agriculture Market USD 7.3 Billion in 2018 to 13.5 Billion by 2023

Indian Agriculture Market - 0.76 to 1.85 Billion USD by 2024

As of August 2019, total agri land in India is 92.6 million hectares.

\[
\text{USD 285/Hectare} \times 1 \text{ million hectare (1\%)} \\
= \text{USD 285,000,000}
\]
Progress Since July 2017

1. Funding of 81 lakhs as Grants
2. Deployed 90 systems so far
3. 13 paid customers (Corporate farms, Research Institutes, FPOs, Individual Farmers)
Growth since November 2019

1. 5 Channel Partners in last three months
2. Growth rate in last three months 250%
3. Partnered with FPOs and launched a new product
Dr. Rajul, CEO
M.Tech and PhD, IIT Bombay
15+ years of experience in reconfigurable computing, embedded systems, VLSI chip design, FPGA, MEMS/NEMS fabrication and biosensing. (3 applied patents, 1 issued US patent, 2 patents in writing) (37%)

Dr. Mangesh, CTO
PhD, IIT Bombay
3+ Years of experience in Electronic system design and signal processing. Designed and developed low cost Time Domain Reflectometry system. 3 applied patents. (37%)

Prof. V. Ramgopal Rao
Director, IIT Delhi
37 patent applications, 13 issued US patents. 10 patents licensed to industries. Awards: Shanti Swarup Bhatnagar Prize, the Infosys prize, Swarnajayanti Fellowship award. He is a co-founder of two deep technology startups at IIT Bombay (10%)

Prof. Maryam S Baghini
Professor, IIT Bombay
1 issued Indian patent, 6 issued US patents, and inventor/co-inventor of 39 more patent applications. More than 15 years of research and academic experience (10%)