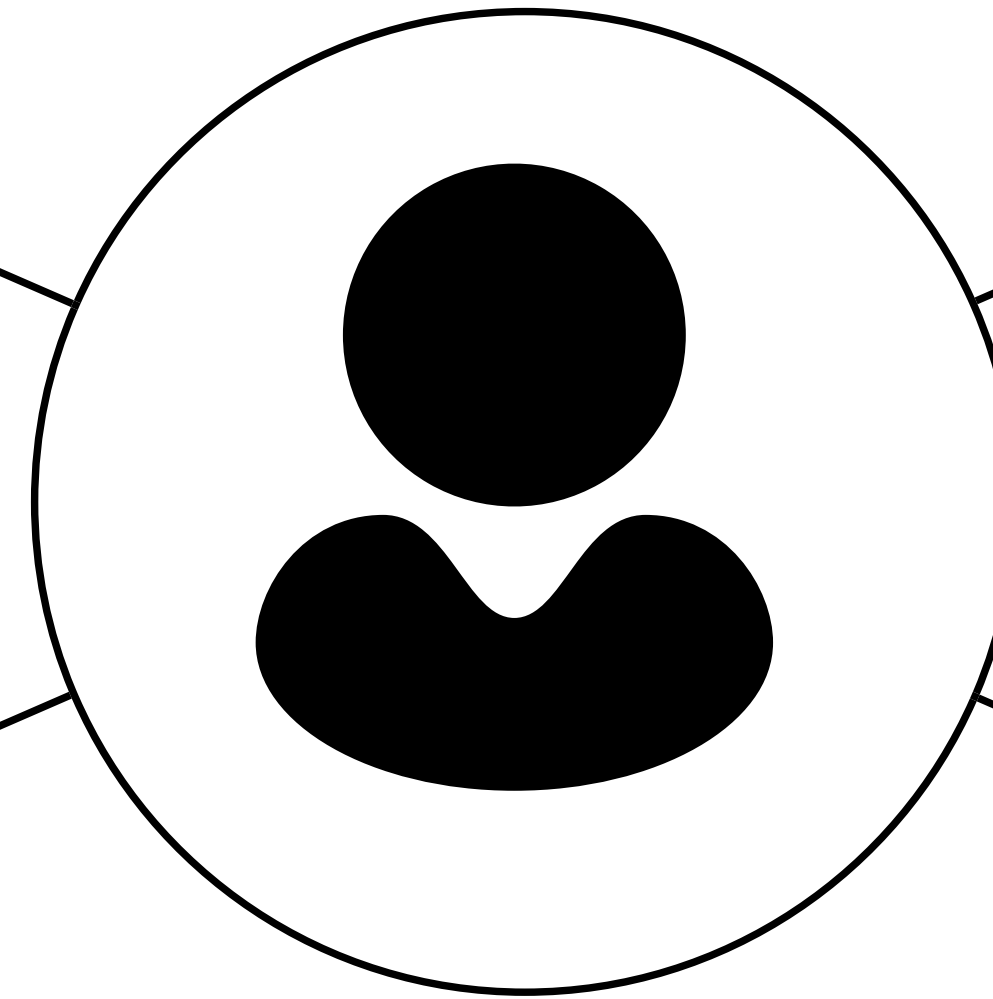


What do they INK AND FEEL?

what really counts
major preoccupations
worries & aspirations



What do they HEAR?

what friends say
what boss say
what influencers say

diseased crop
can spread the
infection to the
whole crop

need to boost feasible
economic advantages
for the forming
network to alleviate
social consequences
of unforeseen weather
extremes

our work helps farmers in
cultivating the best seed
based on soil requirements
so productivity increases
and acquire
profit with the support of
big data analytics.

Improved crop
prediction, opportunity
to forward - and
the help of weather
forecasts to improve
production at field and
income rates.

uses SVM to classify
tree leaves, identify the
disease and suggest the
fertilizer. The proposed
method is compared
with the existing CNN
based leaf

Criteria like pH,
nitrogen ,
potassium,
phosphate,
Depth,
Temperature,
Precipitation.

The method of crop
yield prediction is used
to predict the exact
crop by sensing
various soil and soil
profile

The cost-effective Home
kits help in data
processing for farmers
from diverse
demographic dimensions
It
allows farmers to have
access to real time.

moisture
sensor

Soil Moisture
Sensor Interface
with Controller:

pH Sensor

pH Sensor
Interface
with
Arduino

What do they SEE?

environment
friends
what the market offers

What do they SAY AND DO?

attitude in public
appearance
behavior towards others

study on the
prognostication
of crop diseases
using artificial
intelligence

identify different
diseases on plants
by checking the
symptoms shown on
the leaves of the
plant

Recommend the
fertilizer for affected
leaves based on
severity
level. Fertilizers may
be organic or
inorganic.

The measurements
of fertilizers
suggested based on
disease severity.

PAIN

fears
frustrations
obstacles

They get washed
away by water
easily and cause
pollution.

They provide
only short
term benefits.

They change the
nature of soil,
making it either too
acidic or too
alkaline.

They harm
the microbes
present in
soil.

GAIN

"wants" / needs
measures of success
obstacles

They are quick in
providing plant
nutrients and
restoring soil
fertility.

It helps the
farmers to
yield a good
crop

It reduces
the time of
a farmer

gives a better
result when
compared to
existing CNN.

Fertilizers improve
and increase the
productivity of
many crops such as
wheat, maize, and
rice.