

” My grandfather used to say that once in your life you need a doctor, a lawyer, a policeman and a preacher but every day, three times a day, you need a farmer ”

- Brenda Schoepp

## Introduction

”The share of agricultural in India’s total GVA fell in this period to 17.8 per cent from 18.2 per cent ” This is a part of an article which one of our team members’ came across in his daily feed. Being a country where agriculture was the backbone of the GVA ,now it is declining and not considered as a good profession. When we went forward we saw the main cause was the loss happening in the fields through crop loss, climate etc.In the era of technology we thought why can’t we just use the technology to overcome this great ”**disaster**” there comes the relevance of our product.

## Abstract

Our product aim at creating a platform for farmers to provide the soil study details of their land like nitrogen quantity, phosphorus quantity etc, directly or through an external agency which then combined with the environmental features such as rainfall, temperature etc provide the farmer with information about the suitable crops that can be cultivated on that land.

## Problem Definition

- Farmers are currently suffering due to lack of proper scientific support in the agriculture domain, they are not able to determine the right crop for there land in the present day of ever varying and unpredictable climate.
- We plan to build a website were farmers directly or through an agency can input the result of soil test such as nitrogen content, phosphorus content etc. The website along with analyzing the soil result and other environmental factors such as rainfall, temperature will predict the suitable crops for that topography.
- The solution will work miracles in a country like india were farmers do not follow scientific farming techniques and continue to grow unsuitable crops.
- As the technological revolution continue to expand the omnipresent smartphones will make it easy for farmers to access the website.
- The farmers without understanding the nature of soil or detailed scientific knowledge can get the details on the best crops suitable for them.

## Use case diagram

