# EduFarm

Piyush Bamel , Kaustubh Nagar
Dr. Jagadeesh Kannan | School of Computer Science and Engineering

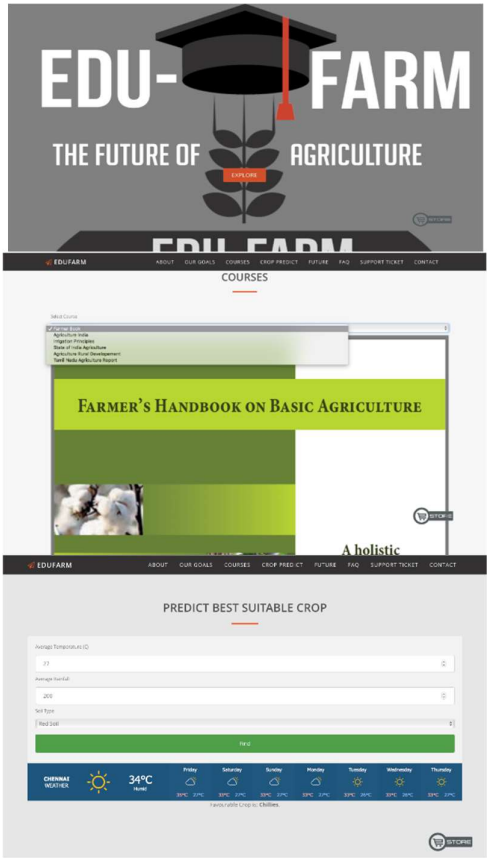
## Motivation/Introduction

It is a well-established fact that the Indian economy is an agrarian one & thus it is imperative that modern technology helps in improving agriculture. The main challenge facing our farmers today is that of efficiently growing crops that are commercially rewarding. So, to make agriculture a more productive sector we need to ensure that the concerned stakeholders are aware of the crops that are best suited to their conditions and can be grown frugally. This is something that this website aims to achieve. Given information about the rainfall, temperature and soil, our algorithm predicts the crop that will be best suited to the conditions. Obviously, it is not a magic solution to change the fortunes of the farmers overnight but then again it is something that will tell the farmers where to start from.

However, only suggesting crops to farmers will be futile unless there are suitable innovations in the farming techniques. Just as, prudent driving can only prevent accidents, but improved fuel efficiency is something that can only be achieved through automotive engineering. Thus, for the betterment of agricultural sector it is equally important that technology aids those involved in the study of agriculture. So, our website will also have weekly education video and study material intended to benefit the erudite students of agricultural sciences. These materials will save the students from the onerous task of surfing through thousands of pages for getting the required information.

We have made this product with the aim of helping farmers and the agricultural sector in general, which forms the backbone of our economy, and we hope that it will be successful in achieving its intended purpose and be another step towards the realization of the dream of a Digital India.

## Results




## SCOPE of the Project

This product with the aim of helping farmers and the agricultural sector in general, which forms the backbone of our economy. Farming is one profession that hasn't gone through any innovation in many years. As population grows, need to provide food will increase so the scope of this project is endless. Using recent advancement in technology and features like machine learning we can add a new gem to method of farming predicting the right crop to grow for maximum yield.

## Conclusion/ Summary

Keeping in mind, the farmer as primary user of our website, we have created a website with simple user-interface. It can be used by any person who are in any field related to agriculture. Informing about various natural disaster can helpful. Prediction of crop can help in yield of crop, thus also increasing economical stand of farmers in India.

## Methodology

We have used the evolutionary prototyping model in our project:

It refers to building a basic system with the minimal functionalities in the beginning which acts as the heart of the system on which the entire project is build. It helped us to improve the website by adding various functionalities at each iteration, the system went through severe user interaction at the end of each iteration improving the platform each time. The user feedback after each iteration helped in making interface much more user friendly and improving the user response. To eradicate any complications whatsoever in using our website, we have provided a Frequently Asked Questions(FAQ) section as well as Support ticket for expert need.

Contact Details
Piyush.bamel2016@vitstudent.ac.in
Kaustubh.nagar2016@vitstudent.ac.in

Acknowledgments/References

https://www.youtube.com/
https://www.w3schools.com/
https://www.willyweather.com/