

E – PORTAL TO HELP FARMERS TO AVAIL BENEFITS OF AGRICULTURE GOVERNMENT SCHEMES

A Minor Project Synopsis Submitted to



**Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Towards Partial Fulfillment for the Award of**

**Bachelor of Technology
(Computer Science and Engineering)**

**Under the Supervision of
Prof. Ronak Jain**

Submitted By
Bhanu Pratap (0827CS213D07)
Anurag Pawar (0827CS201038)
Ayush Singh (0827CS201051)
Ayush Tiwari (0827CS201054)



**Department of Computer Science and Engineering
Acropolis Institute of Technology & Research, Indore
July-Dec 2022**

Abstract

Agriculture is the back bone of Indian economy. To insulate farmers against risks in agriculture, government has launched several schemes. But their coverage seems to be limited among the farmers primarily due to lack of full information. This study is done using descriptive research design method and data are collected by primary and secondary sources to help farmers to avail several government agriculture schemes.

Introduction of the Project

Our main objective of making this project is that we can get the benefits of government schemes to the farmers, which they find on different sites and cannot find them.

Through this project, we want them to collect all those government schemes in one place and get the benefit of it to the farmers so that they can get some help in taking advantage of government schemes

Objective

These agriculture or government schemes are generated or launched by the Government of India for better employment and wealth creation for farmers . The goal of this project for farmers in India is to help them to avail benefits of agriculture government schemes . So that those people can be successful in getting or taking advantage of all those schemes from here.

Scope

Agriculture has a growing scope in India as India has been an agro-based economy. Agriculture is the prime source of generating food for living beings. The growing population has increased the demand for food and the increasing population is going on occupying more and more land and the land for cultivation of crops is going on decreasing. The demand for food grains is going on increasing and the land for cultivation of crops is going on decreasing; such a situation deserves the emergence, and development of agriculture technology to maximize food productivity to cater to the growing demand of increasing population in India and abroad. The technology in the domain of agriculture needs to be enhanced and hence more people will be required who would have the knowledge, skills and competencies in the converged domain of agriculture technology. A full featured Website can be prepared using the algorithm and pre-trained dataset. This Website can act as a guide for farmers to get a full benefits of Govt schemes.

Also by using it farmers can get a full information of all type of Govt agriculture schemes in detail with this Website for farming . and get a all types of benefits easily that Govt provide to farmers by the help of schemes...

Study of Existing.....

A case study of at least 5 existing systems should be done and relative comparison with their merits and demerits. This will help in formulation of further objectives that could be addressed within the project.

Problems Addressed:-

- The problem is addressed in this model is that how we can help the farmers to get a benefit of Govt Schemes that are running for improving farming
- Advantages :-
- The main advantage of this model is that it will provide a deep and clear information about All types of govt schemes that are present in our nation.
- By this model we can also create an website on this website we can provide detail of every schemes that are running by govt.
- By this algorithm we can engineered a web page using by Govt agriculture schemes detail.
- By using this we can create a web page that every farmer use it easily
- Disadvantages:-
- by using deep learning it requires very large amount of details of Govt Agricultures schemes to perform better than other techniques.
- By using deep learning it is hard to describe, and is not completely understood.

Project Description

In existing scenario, the approach followed for beneficiary's selection for various schemes is top down. All rural development programs/schemes aim at extending maximum benefits to rural poor. Assessment of eligibility is done by various officials assigned at Centre/States etc. A system is needed where the beneficiary can get selected into schemes and offer himself to tracked using unique identifier.

. Sample Data Required: Yes

Methodology/Planning of the Project work

- . Preparing and pre processing the dataset for efficient training of the model.
- . Detection and removal of outliers.
- . Applying appropriate methods to balance the dataset.
- . Training the model for specified amount of epochs, testing it for the output, and finally showing its accuracy

Expected Outcome

Finally, by the end of the project in the E-portal of Govt Agriculture Schemes , the outcome of all the hard work done for the E-portal of Govt Agriculture Schemes is here. It is website that helps the user to see the all types of benefits that are govt provide .

The User Interface of it is very friendly and can be easily used by anyone. It also decreases the amount of time taken. And by the help of this website farmers easily can see the all schemes that are running in their area.

This website always helpful for farmer for improving their financial problems . In the end, we can say that this Website is performing all the tasks accurately and is doing the work for which it is made and this system can be implemented in any desired location

Resources and Limitations

Involves a lot of data gathering, data organizing, and coordination. Companies typically employ a team of demand planners who are responsible for

coming up with the forecast. But in order to do this well, demand planners need substantial input from the sales and marketing teams. In addition, it's not uncommon for processes to be manual and labor-intensive, thus taking up a lot of time. Fortunately, if you have the right technology in place, this is much less of an issue.

Limitations

The main limitation is that It requires very large amount of data in order to perform better than other techniques. The good amount of model is being prepared the large amount of data is required.

Conclusion

India largely depends on the agriculture sector. Besides, agriculture is not just a mean of livelihood but a way of living life in India. Moreover, the government is continuously making efforts to develop this sector as the whole nation depends on it for food.

For thousands of years, we are practicing agriculture but still, it remained underdeveloped for a long time. Moreover, after independence, we use to import food grains from other countries to fulfill our demand. But, after the green revolution, we become self-sufficient and started exporting our surplus to other countries .

This website help for farmers improving their farming growth and get a benefits easily . that schemes always help for growth of agriculture by this website every farmer get a benefits of govt schemes.

.

References

- [1] <https://agricoop.nic.in/en/ministry-major-schemes> .
- [2] https://www.indiansugar.com/PDFS/GOVERNMENT_SCHEMES_FOR_AGRICULTURE_Revised-26.12.2019.
- [3] <https://agriinfra.dac.gov.in/Content/DocAttachment/FINALSchemeGuidelinesAIF.pdf>

