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Farming Assistant Web Services: Agricultor

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Abstract: Our farming assistant web services provides assistance to new as well as establish farmers to get the solutions to day-to-day problems faced in the field. A farmer gets to connect with other farmers throughout India to get more information about a particular crop which is popular in other states.
Keywords: Farmers, Assistance, Web Development

I. INTRODUCTION

Usually, farmers in a particular area have knowledge only of the crops they have been growing for a long time and people new to farming have little to no knowledge. Farming assistant website aims to be a one- step destination that will help connect farmers all over the country to broaden their knowledge and help each other, provide news related to agriculture to keep the farmers up to date of the changes in their field among other benefits. In this project, we aim to build a website that can assist farmers with farming related problems they need help with.

The farming assistant web services provide assistance to new as well as established farmers to get the solutions to day-to-day problems faced in the field. A farmer gets to connect with other farmers throughout India to get more information about a particular crop which is popular in other states.

II. PROBLEM FORMULATION

One of the problem statements is that farmers of different states don't have a way of communication between them. There is no proper way of knowing the current prices of things farmers require while farming, the information is scattered on the internet and hence, time consuming. The farmers often end up paying more for seeds, fertilizers, etc.

Agricultor will create a community section in which farmer brothers from different states can interact with each other, answering each other's questions.

Agricultor will be minimal as well as sufficient so that anyone can easily use the website.

III. LITERATURE REVIEW

Significant work has been done in the field of Farming Web services. Though many websites have been made under this topic, still they don't achieve the desired goal, which is being the one stop and do it all. The review of literature leads to draw certain major findings which are as under:

1) The study brought out that almost every govt. website had a glitch of some form or the other. In some websites the pages didn't open and in some websites some features did not work as specified. the main aim that we had to achieve was that the website should be bug free as well as user friendly. Every feature should work as specified.

2) Our project presents a new approach which will be appreciated by the end user. This is user-friendliness as well as new features that were never seen in this field before such as community blog. This is done in the interest of bringing people closer as well as giving them an environment in which a farmer suppose, from Assam can easily get in contact with farmer from M.P. This would help them solving a problem mutually as well as experts could also play a major role to gauge the solution.

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IV. METHODOLOGY

A. We Will Be Using The Iterative Methodology For Developing Our Project

The *iterative process* is an approach that designers, developers, educators, and others use to continually improve a design or product. People create a prototype and test it, then tweak and test the revised prototype, and repeat this cycle until they reach a solution. In some research fields, these repeated rounds of analysis help scientists, mathematicians, or other professionals arrive at a final answer. The process also can be used to continuously improve a concept, design, software system, or product.

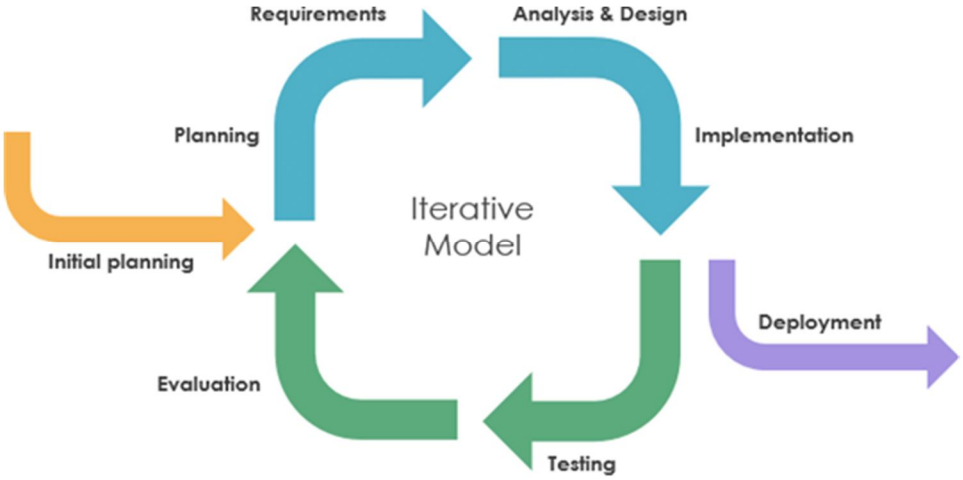


Figure-1

The goal of iteration is to get closer to the answer, solution, or discovery with each repetition. The concept and the solution eventually converge, such as in a math function or a scientific discovery, because you progress toward your desired result each time you iterate or tweak the product

B. Description and Design

Firstly, when the user visits a website, he will be asked to create an account.

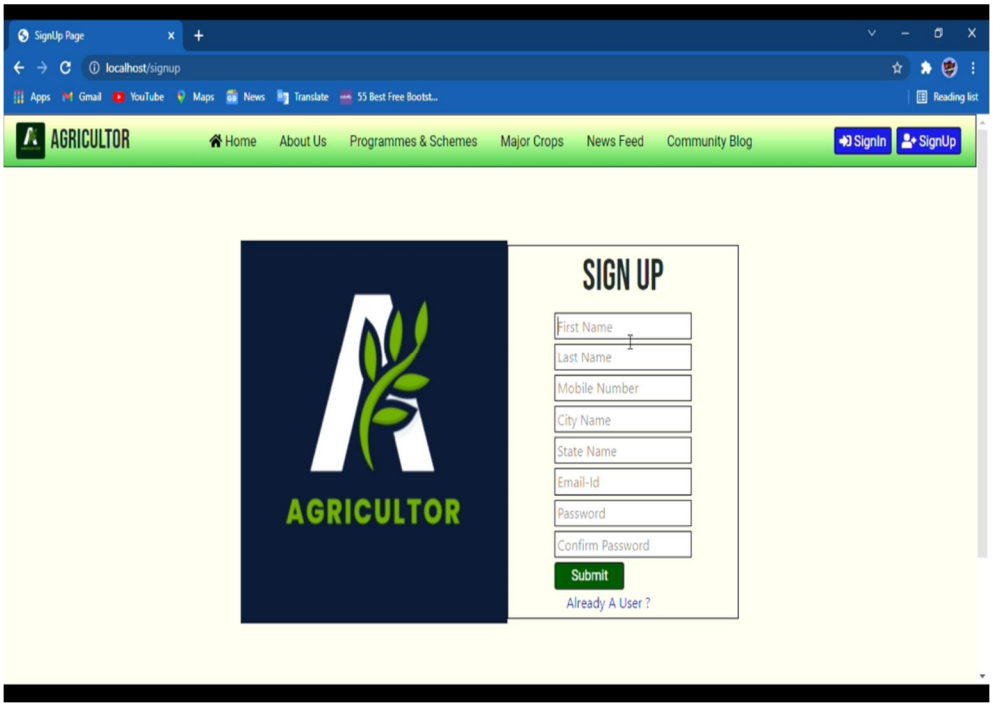


Figure- 2. Sign-up page

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If he is already an existing user, he will be asked to login.

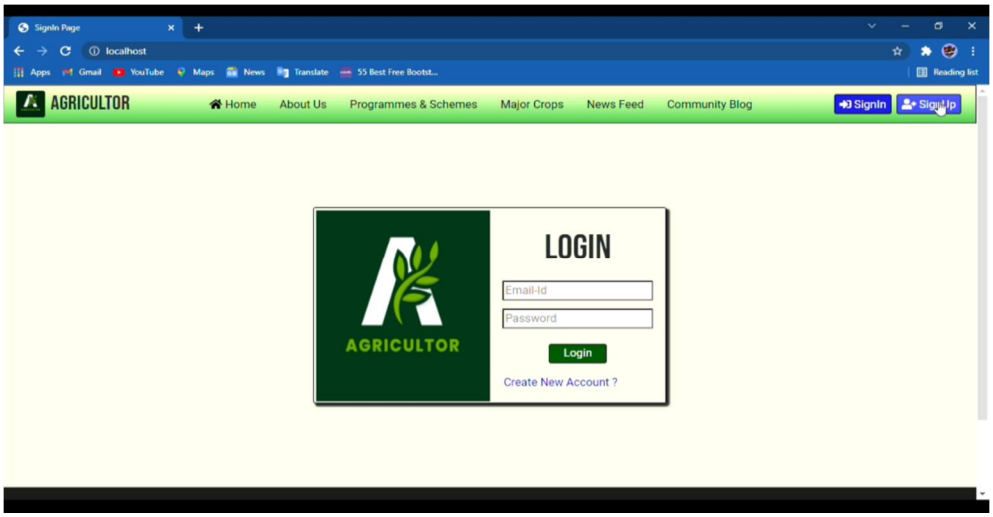


Figure-3. Login page

Home page displays the news in a cascading manner, as well as has a host of information in its main table, navigation bar, as well as in the description below

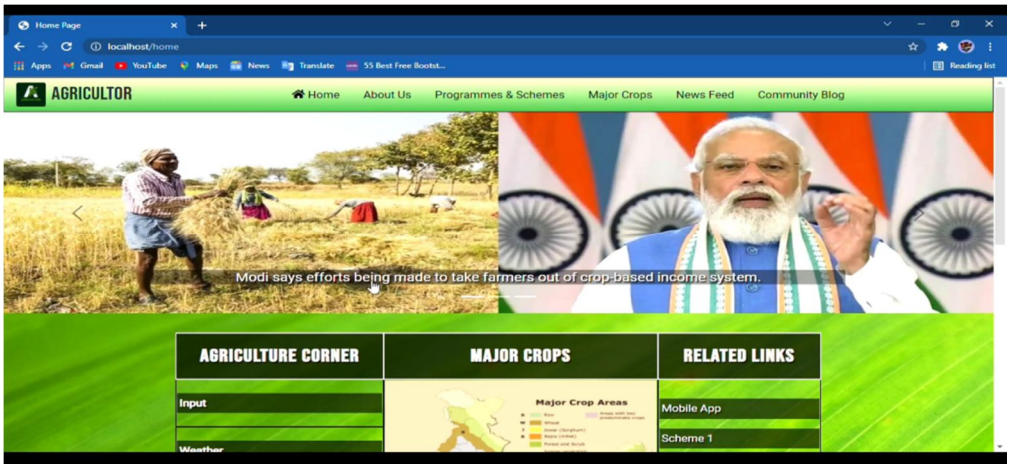


Figure-4. Home page

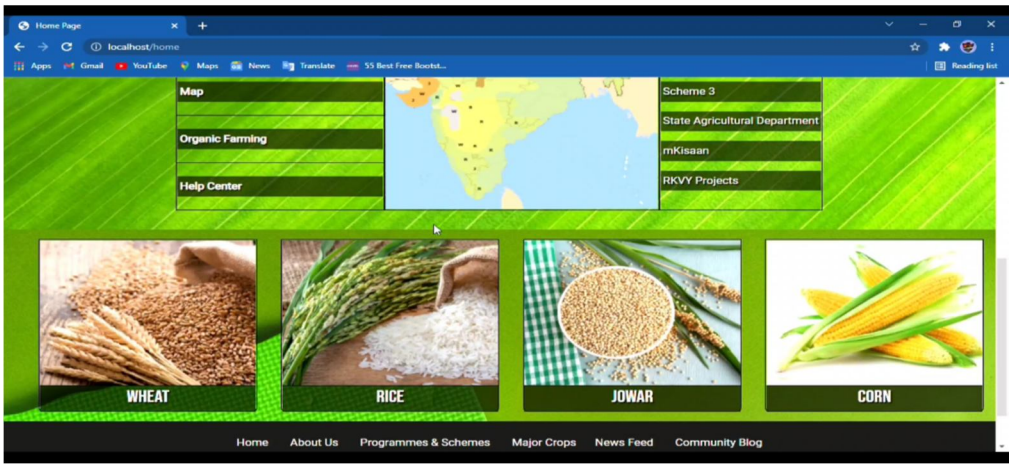


Figure-5. Home page

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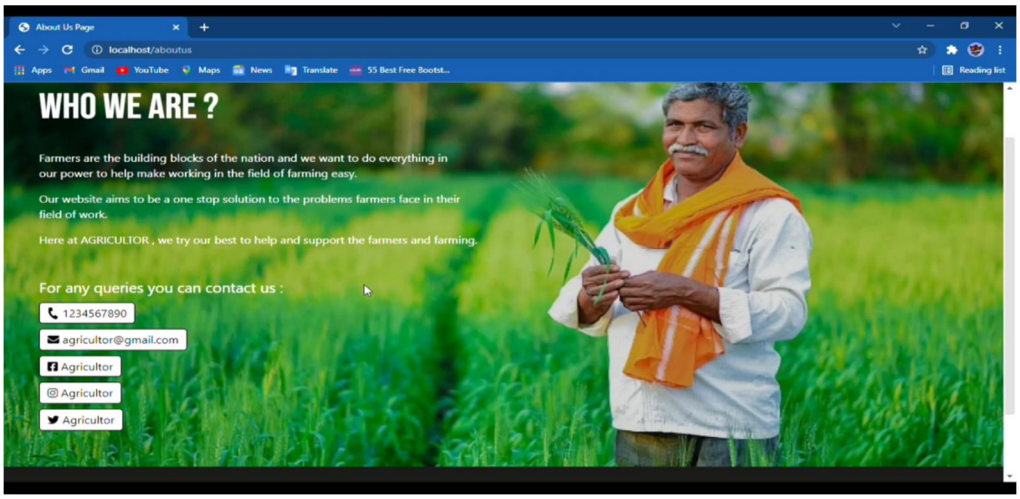


Figure-6. About us page

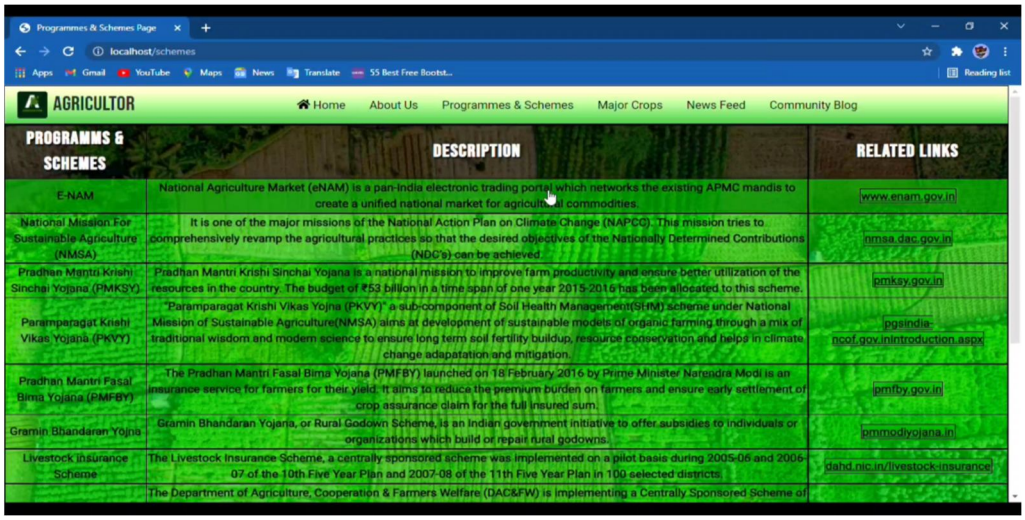


Figure-7. Programs and schemes

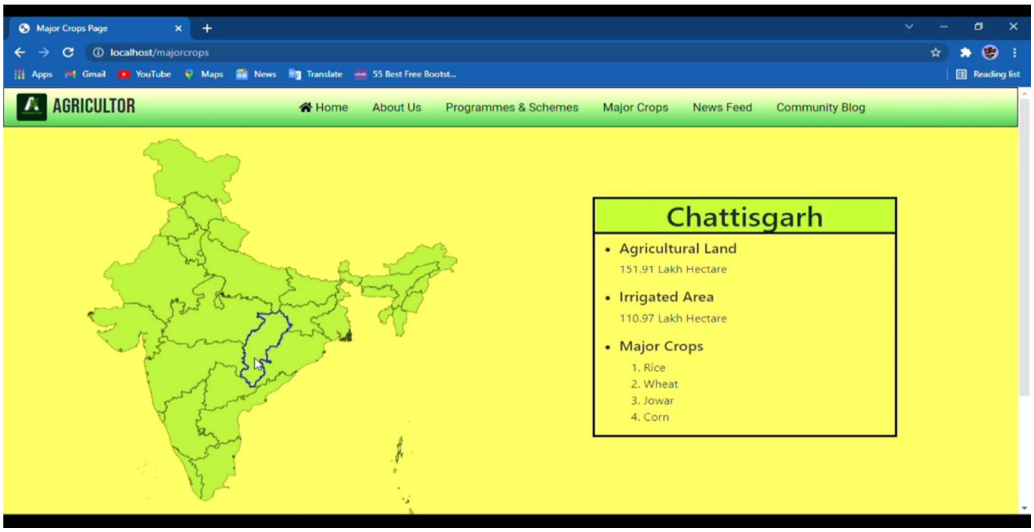


Figure-8. Indian map with hover feature

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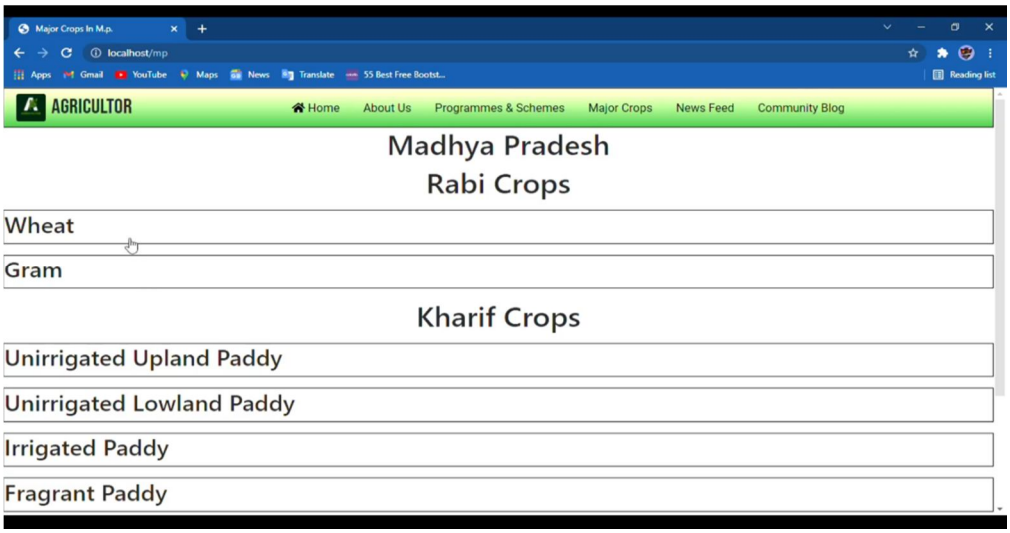


Figure-9. State with their major crops season-wise

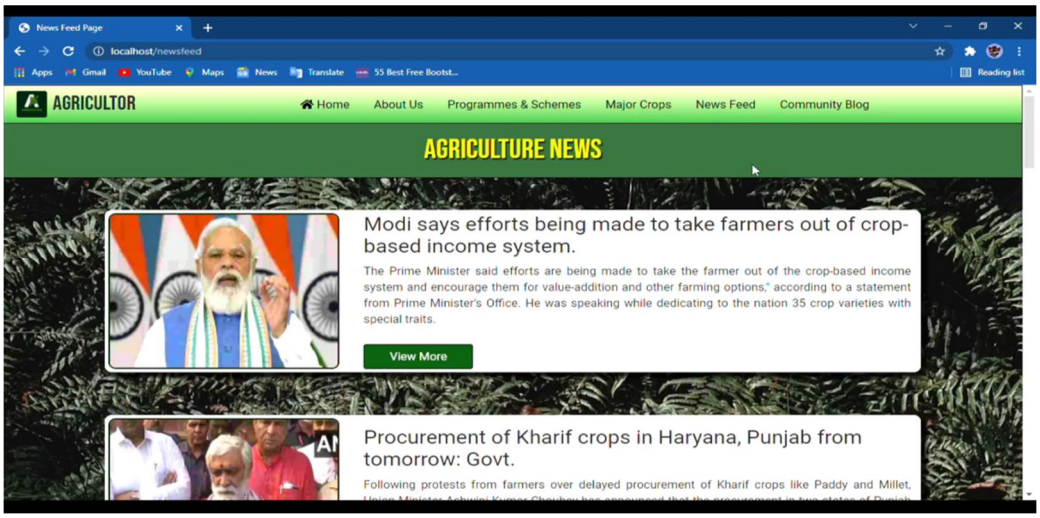


Figure-10. News feed

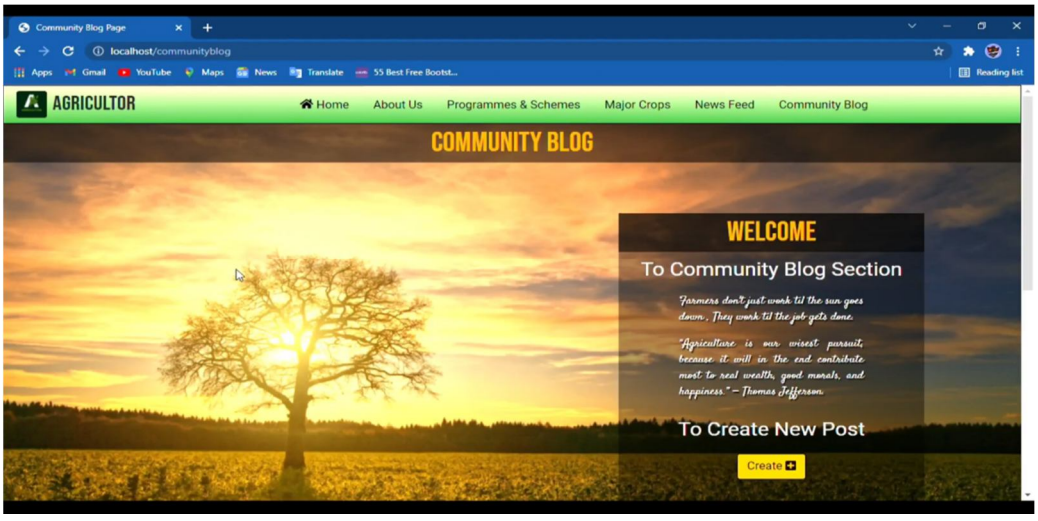


Figure-11. Community blog

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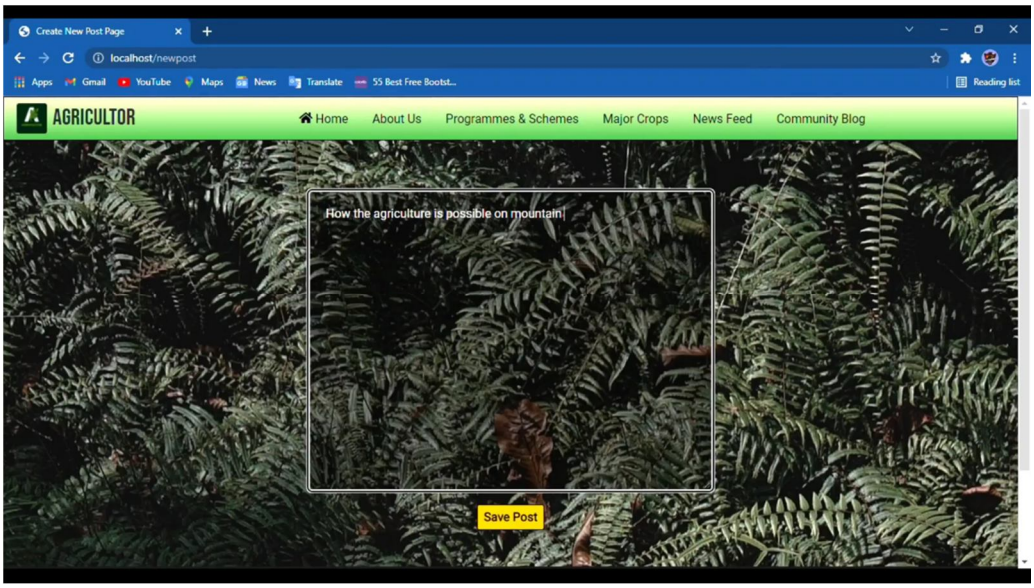


Figure-12. Creating a new post

V. RESULT DISCUSSIONS

A. The Farming Assistant Web Services website in which we took the idea that will make every farmer reach the solutions of their problems.

B. Farmers will be able to gain the information of multiple crops and all the things that are required for farming.

C. New farmers will be able to understand all the instructions and important information to begin their farming process or agriculture

D. It will contain the latest news regarding agriculture.

E. The website will provide the current prices of different things like seeds, etc for the ease of farmers.

VI. LIMITATIONS OF THE WORK

One of the Limitations can be that the solution given by the other farmer to the problem might be wrong which may in turn devastate his crops.

As all websites our website also need internet and a mobile or desktop to be accessed which might not be feasible for each and every farmer out there.

One of the limitations of the work is that we do not have each and every farming detail of some of the states in India. it is just a matter of time that once they are available we can update it in our work

VII. SUGGESTION AND RECOMMENDATIONS FOR FUTURE WORK

In the future we can expand our website to reach more farmers in remote areas of the country.

We can provide trading services for farmers like purchasing seeds, fertilizers, etc.… which is required in farming.

We can link existing accounts with Kisan credit cards for easier transaction and they can take benefits of schemes while purchasing.

We can compare prices of multiple crops or farming related commodities, this will more so help in making agricultor in becoming more of a one stop and do anything kind if website, having each and every important feature and some revolutionary features.

VIII. CONCLUSION

This site is being made for upcoming farmers or existing farmers who are facing issues to get their solutions. In conclusion our main aim is to increase the profit of the farmer and save money where ever possible.

This is also to keep our farmers up-to-date with all the news and new/existing keys related to farming which might be helpful for them; this in turn will help them to make a smarter decision for themselves.

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IX. ACKNOWLEDGMENT

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REFERENCES

Reference Format for Journal Paper

[1] S.K. Gupta, L. Sharma, “An Approach for Real Time Machine Learning Environment”, International Journal of Computer Science and Engineering, Vol.16, Issue.22, pp.4-10, 2020.

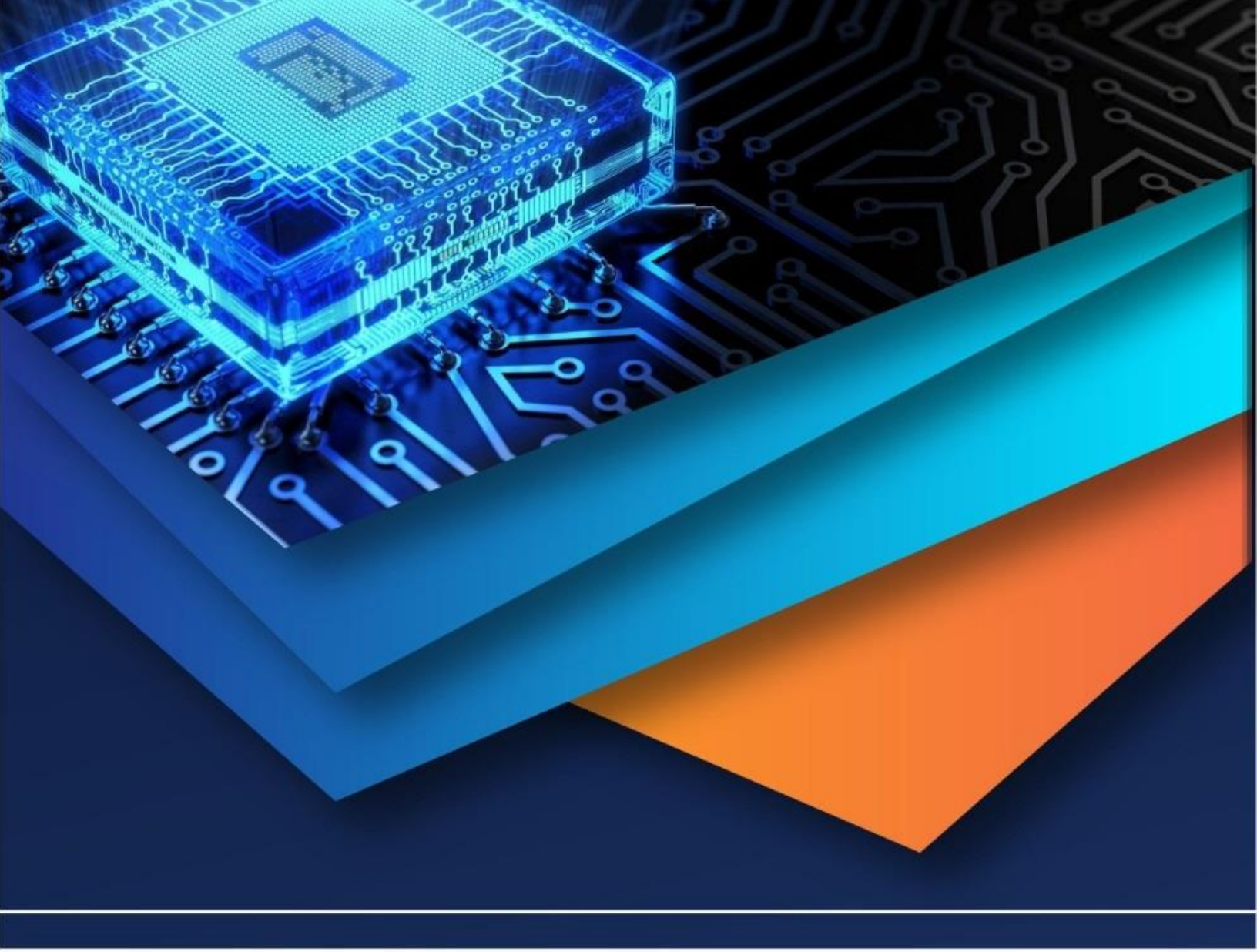
Reference Format for Book/Book Chapter

[2] G. Sharma, “A Proposed Novel Approach for Internet of Things Protocol Execution Environment”, IJCSERT Publisher, India, pp. 142-145, 2020.

Reference Format for Conference Paper

[3] P.B. Verma, “A Proposed Approach for Real Time Cloud Environment using Machine Learning”, In the Proceedings of the 2020 International Conference on Data Science and Engineering, India, pp.542-545, 2020.

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