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Agriculture FoodTech and Rural Development

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Abstract: *We are looking for a website solution that will serve as a platform to enhance the primary sector of India's agriculture. This platform will help us manage and process our agricultural produce So, our highlights including prominently feature an interactive map of India on our website, which provides the functionality. By clicking on a particular state on the map, it will display an image that signifies seasonal information about the fruits and crops grown in that particular state.*
To ensure wide spread accessibility, our platform will support multiple languages such as Marathi, Hindi and English. Marathi for eastern regions of India. Hindi for Northern, western and southern regions of India and English for students and a wider audience.

Keywords: India's agriculture

I. INTRODUCTION

In our efforts to enhance India's primary agriculture sector, we are developing a user-centric website with a focus on efficiently managing and processing agricultural produce. Users can easily access detailed insights into crops and fruits specific to any state by simply clicking on the interactive map, with information thoughtfully organized according to seasons.

This platform goes beyond being a mere visual guide to India's agricultural landscape; it adopts a proactive stance in addressing challenges within the sector. Rather than solely showcasing crops, the website aims to comprehend the issues faced by farmers and present practical solutions. This dual functionality positions the website as a comprehensive tool for both gathering information and problem-solving in the agricultural domain.

II. PROPOSED APPROACH

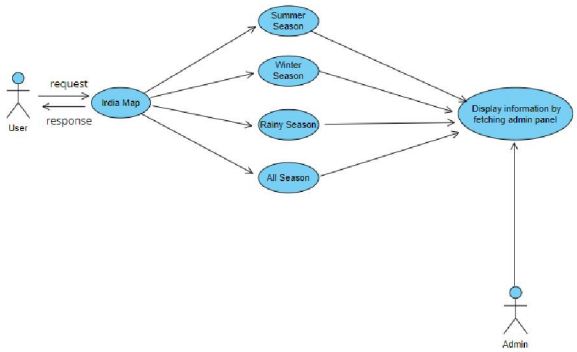

Figure 1- System Design

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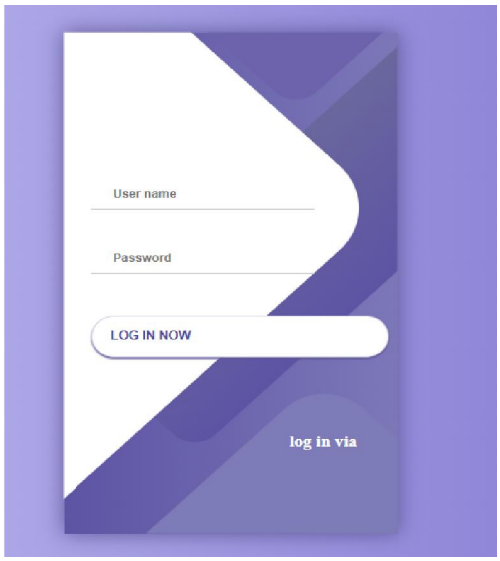

Figure 2- Admin Panel login page

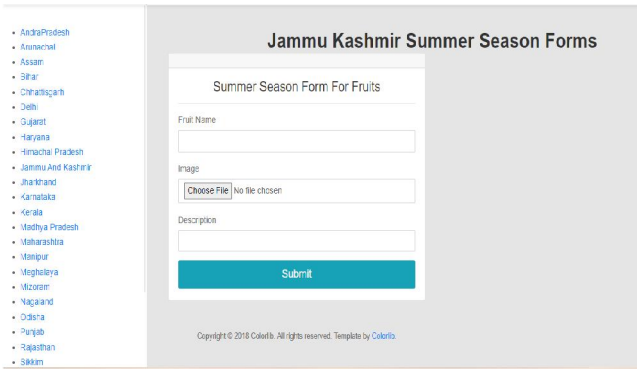

Figure 3- Admin Pannel to add State Information

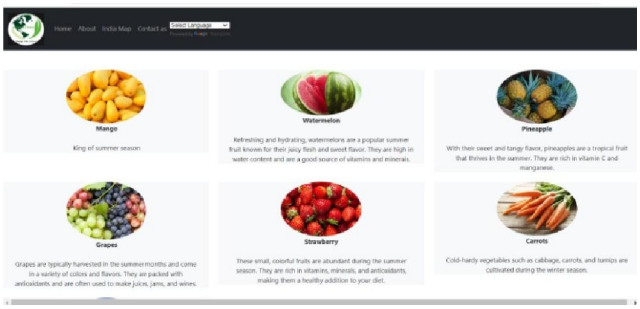

Figure 4- Sample Information for User

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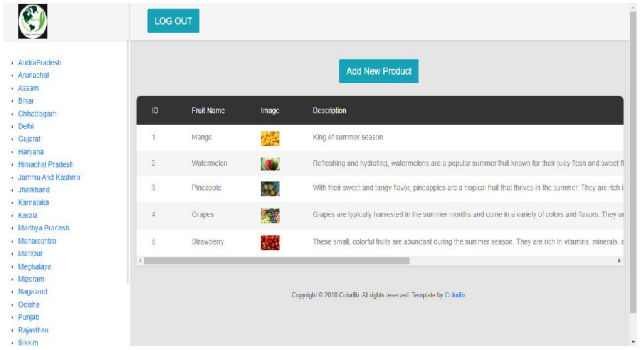

Figure 5- Admin Panel to add Product Information

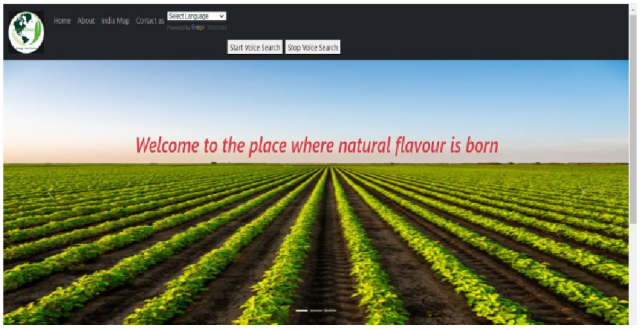

Figure 6- Home Page

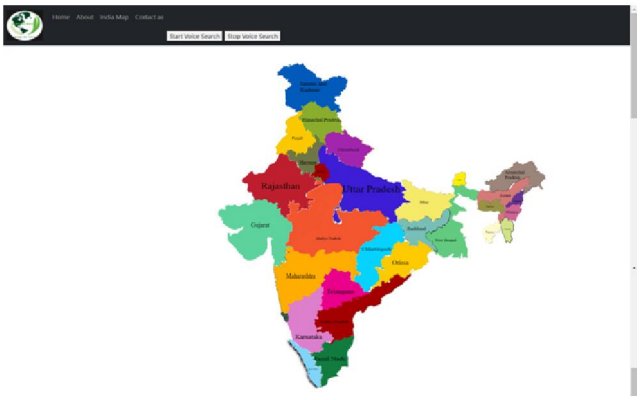

Figure 7- Linking-Indian Map

III. CONCLUSION

In conclusion, the integration of agriculture food technology with rural development offers numerous benefits and opportunities for both the agriculture sector and rural communities. This synergy between technology and rural development can lead to increased agriculture productivity, improved food safety and quality, sustainable agriculture practices, and enhanced food security. Rural areas can experience employment opportunities, income diversificaton, and improved access to market, leading to poverty reduction and overall economic employment opportunities, income diversification, and improved access to markets, leading to poverty reduction and overall economic growth.

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Additionally, education training and infrastructure development, and enhanced leaving standards can contribute to the holistic development of rural communities.

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