INTERNATIONAL JOURNAL
FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Agritech

Govardhana G[1], Pooja T R[2], Prof. Jincy C Mathew[3]

[1.]PG Scholar , Department of MCA, New Horizon College of Engineering (Autonomous), VTU , Bangalore

[2.]PG Scholar , Department of MCA, New Horizon College of Engineering (Autonomous), VTU , Bangalore

[3.]Professor , Department of MCA, New Horizon College of Engineering (Autonomous), VTU , Bangalore

Abstract: The project Agritech mainly deals with the aspect of Karnataka agriculture. Which is really help full for the farmers and other users. The information seekers can gain the knowledge in the single plat form which makes the users to feel more comfortable. Which includes the various domains like seeds, crops, soil information, pesticides, machineries, fertilizers and modern touch to change the old agriculture era to get benefit from financial and get more useful from the limited natural source like water and soil etc.

I. INTRODUCTION

The AgriTech is the modern website which includes brief information related to agriculture in Karnataka. The domains which explained here is all about the information collected from the various resources where the user feels difficulties to get the actual content from among various topics. The website will explains each and every thing clear and direct about the modernization like machineries, fertilizers and seasonal information etc without going to concentrate on outer topic related to that where the user really feels unnecessary and lose their concentration which is clearly focused and make attractive for the knowledge seekers.

II. PAGE LAYOUT

A. Project Description

Agritech provides various domains like major crops, schemes, fertilizers, seasonal information in Karnataka, modern technologies and invention etc, and where the modernization can be useful to reduce the man power. The crops information provides the basic ideas which are useful for crop development, crop growth for all users who needs the particular data. It provides various strategies to be included normal agricultural practices so the user can double their yield production and make it beneficiary. Schemes information gives the idea on what is the term and conditions are there to apply and steps to follow the procedure to get experience from the government. Users can feel best experience to gain knowledge from our website without any conflict regarding the data which is provided in the portal.

B. Existing System

The existing AgriTech and its aspects will be available on various websites where the information is not available in single platform. The user will not get the information easily about the agricultural practices and the idea which implemented for the particular crops and technologies etc. The users feel conflict to retrieve the information to search various portals and having various login and register difficulties.[6][7] some of the user not feel comfortable to give their own information to register because data leakage possibility. It is not involve the separate modules as well as contents which leads the conflicts to the people who wants to retrieve the content as reference to implement in their agriculture field the information beneficiary.

C. Proposed System

Our proposed system AgriTech portal can be access user friendly and can access various domain information in the single platform. The user need not to login and register to access the data present on the portal they can retrieve without any conflict and restrictions. It will give majority of the agriculture data which is present in Karnataka and improvements has been implemented in the fields of technologies and inventions. It also gives some of the top stories which is recently happening in modern agriculture era. The modules which contains the attractive designs which is usually not available in the website which looking good for the people and will impress to study and refer.

D. Tools and Technologis Used

Adobe Experience Manager:

Adobe experience manager is useful to create organize to create a campaigns and useful to create brand and experience which is not easy to do such in other platforms. Adobe experience manager will create out of box integration and adobe marketing cloud

solutions. It includes various uses like Social communities: Include user-generated content and social media into your brand's message to create loyal communities on your own sites. Mobile content management: Integrate mobile into all your marketing efforts, maintaining consistency and confidence that the content functions on any device. [1]

E. Html 5

HTML5 is a mark up language used for structuring and presenting content on the World Wide Web. It is the fifth and current major version of the HTML standard.Html can be useful to create our own websites. It is easy to learn and implement. It can be use to develop the modern sites using various predefined tags. To develop the site need to follow the necessary syntaxes. Mine types will be useful in html5 for development.HTML5 is the latest and most enhanced version of HTML. Technically, HTML is not a programming language, but rather a mark up language. In this tutorial, we will discuss the features of HTML5 and how to use it in practice.[12]

F. CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a mark up. Css can be useful for the separation of containers and colours and borders. It is mainly useful for utilizing the page feel better when compare to the normal pages without using cascading style sheet.[12]

G. Java Script

JavaScript is high level interpreted programming language. It is useful to make the pages dynamic and look attractive. It can also useful to create responsive pages need to develop the standard portals or websites. It is similar to java contain syntaxes and procedures which is implemented on the java. There are various predefined libraries which is useful to use in the various properties of the JavaScript.[12]

H. Software Configiration

Adobe Experience manager 6.2

I. Hardware Configuration

RAM   : 4 GB
Processor   : i3
Memory   : 10GB

Figure 1: Home page:

Ii is the main link for all the sub modules. It also contain the top stories of modern inventions in the current era. It also contains the important note which is highlighted in the main page.
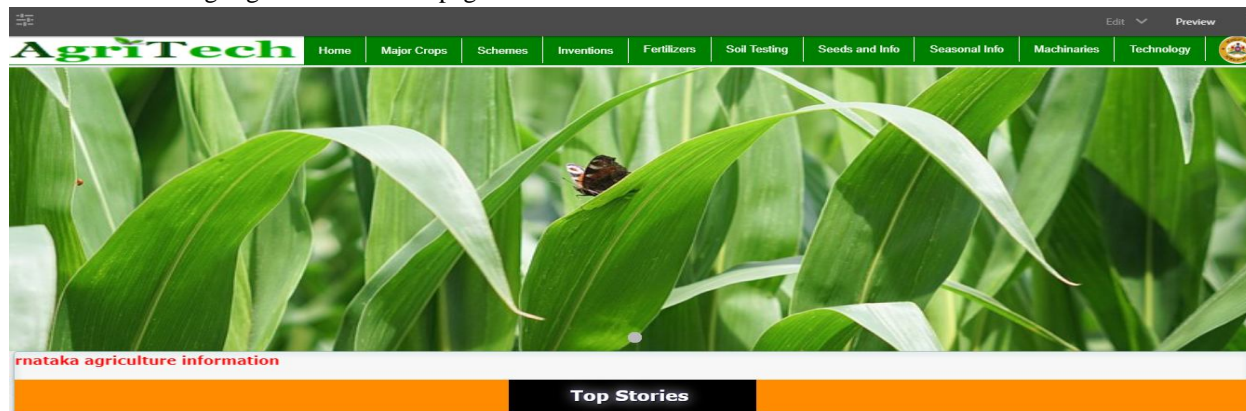

Fig-1

Figure 2: Major Crops

Major crops will gives the description all about the crops which Is Implemented usually in Karnataka. It also includes the appropriate nature and rain is needed for the particular crops like Ragi, Jowar, sugarcane etc.
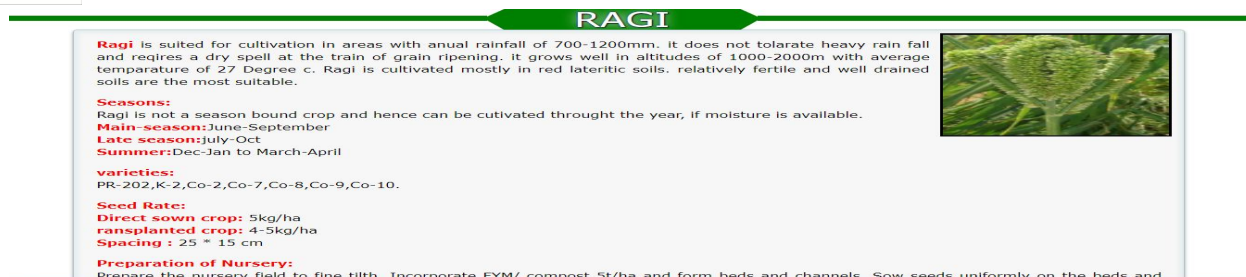
Fig-2

Figure 3: Schemes

Schemes will give the brief description what are all the services available for Farmers and procedure to apply for the schemes and scheme loans. It involves all the recent schemes declared by the government.

Fig-3

Figure 4: Fertilizers:

Fertilizers are having categories like Organic, Chemical and Bio fertilizers. It gives the examples of each fertilizers and how to use those fertilizers which is useful for the users.

Fig-4

Figure 5: Inventions

Inventions involve in the current era and gives the year wise implementations which is useful for the Farmers who really needs to change the culture from traditional to modern.
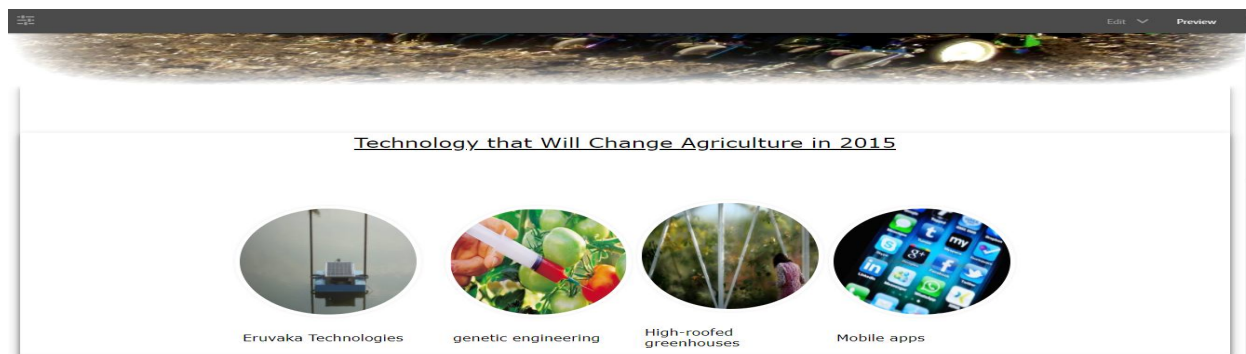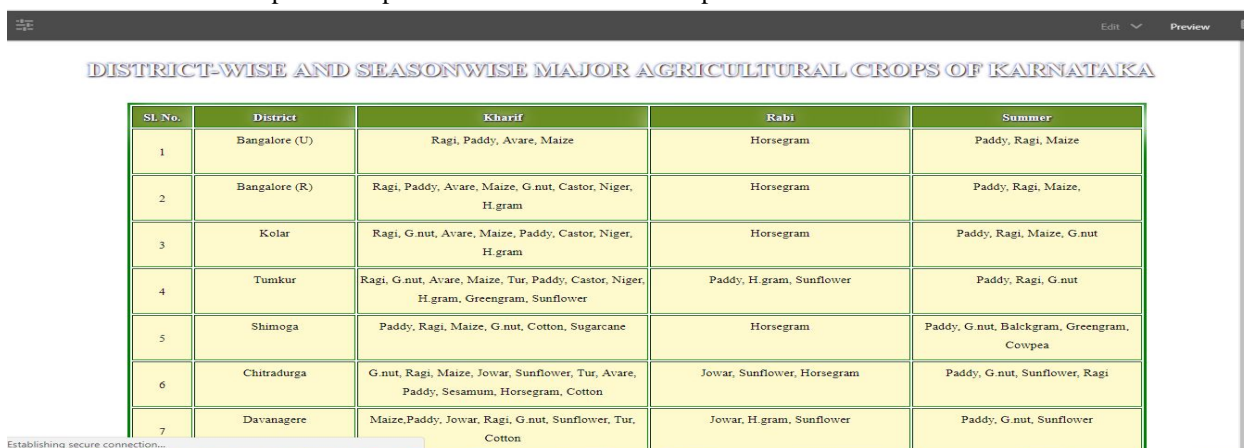

Fig-5

Figure 6: Soil Testing:

It contains types of soil available in Karnataka District wise. Where suitable crops can be planted for the better yields and complete details about the particular soil.

Fig-6

Figure 7: Seasonal Informatio

This module will gives brief descriptions all about the seasons in Karnataka such as Summer, Winter and Rainy seasons where in also includes what are all the crops will be planted and harvest etc in the particular District

Fig-7

Figure 8: Seeds Information

It contains modern cultures in seeds techniques, storage information as well as testing are involved for the particular seeds.
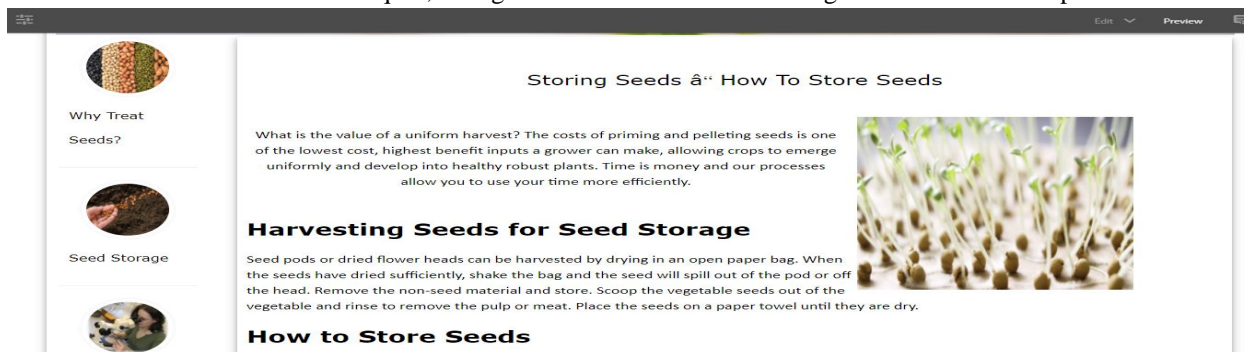

Fig-8

Figure 9: Machinaries

It includes the modern invented machineries which really useful to improve the yields and reduce the man power in the fields. It gives machineries names as well as how it works how to use etc.
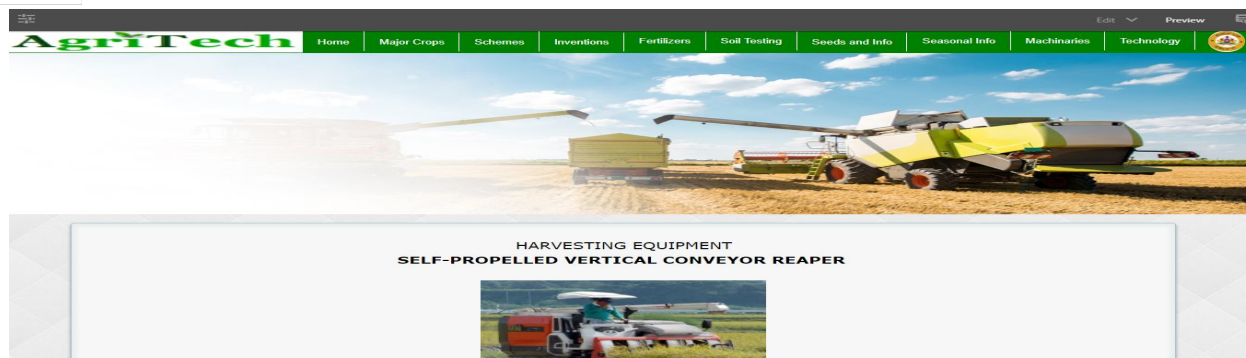
Fig-9

Figure 10: Technologies

It includes the modern Technologies which is recently invented by the experts and also includes where computers can be used to radiuses the man power in order to improve the yields to make it easy for the user.

Fig-10

Sample Coding

Home page

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
margin: 0;
font-size: 28px;
background:url("/content/dam/geometrixx-gov/gov/back3.jpg");
}
.header {  background-color: none;
text-align: center;}
/* Navbar container */
.navbar {
overflow: hidden;
background-color:green;
font-family: Arial;
height:41px;}
/* Links inside the navbar */
.navbar a {
float: left;
font-size: 13px;
color: white;
text-align: center;
```

padding: 14px 16px;

text-decoration: none;}

</div>

<div class="dropdown">

<button class="dropbtn">Major Crops

<i class="fa fa-caret-down"></i>

</button>

Seasonal information

<p ALIGN="CENTER">DISTRICT-WISE AND SEASONWISE MAJOR AGRICULTURAL

CROPS OF KARNATAKA</p>

<div class="w3-container w3-center w3-animate-zoom">

<table style="width:1100px;margin-left:9%; border:solid green ;font-size:18px;borer-color:yellow" border="1">

<tr>

<td WIDTH="26%" VALIGN="TOP" HEIGHT="18"><small>Horsegram</small></td>

<td WIDTH="23%" VALIGN="TOP" HEIGHT="18"><small>Paddy, Ragi, Maize</small></td>

</tr><tr>

<td WIDTH="6%" VALIGN="TOP" HEIGHT="18"><p

ALIGN="center"><small>2</small></td>

<tdWIDTH="16%"VALIGN="TOP"HEIGHT="18"><small>Bangalore (R)</small></td>

<td WIDTH="29%" VALIGN="TOP" HEIGHT="18"><small>Ragi, Paddy, Avare,

Maize, G.nut, Castor, Niger, H.gram</small></td>

</tr>

Seasonal information: <p ALIGN="CENTER">DISTRICT-WISE AND SEASONWISE MAJOR AGRICULTURAL

CROPS OF KARNATAKA</p>

<div class="w3-container w3-center w3-animate-zoom">

<table style="width:1100px;margin-left:9%; border:solid green ;font-size:18px;borer-color:yellow" border="1">

<tr>

<td WIDTH="26%" VALIGN="TOP" HEIGHT="18"><small>Horsegram</small></td>

<td WIDTH="23%" VALIGN="TOP" HEIGHT="18"><small>Paddy, Ragi, Maize</small></td>

III. CONCLUSION

Project has been developed and deployed as per the requirement stated by the user, it is found to be bug free as the testing standards that are implemented. Any specification and untraced errors will be concentrated in the coming versions, which are planned in near feature.

This portal is not included any personal information there no intention to interrupt any people. It is developed just for simple and retrieving purpose which is useful for students, farmers and other users who really wants the information without any conflict.

REFERENCES

A. Books

[1]   Adobe Experience manager-classroom in a book" Ryan D Lunka,2014 Adobe press

[2]   Adobe experience manager :Quick reference Guide" Shane closer,20014 Adobe press

[3]   Digital marketing Handbook", Shivanikarwal, 2015, Create space independent Publishing platform

[4]   Adobe Analytics with site catalyst-Vidya Subramanian (23 may 2013).

[5]   Adobe Target A guide for marketing the business, It professionals- Brian Hawkins and Lily Chiu-Watson (13 Jul 2014).

B. Websites

[1]   http://farmer.gov.in/

[2] http://raitamitra.kar.nic.in
[3] http://agricoop.nic.in
[4] https://economictimes.indiatimes.com
[5] https://www.w3schools.com/
[6] https://stackoverflow.com/
[7] https://www.wikipedia.org/

INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY