"E-portal to help farmers to avail benefits of agriculture government schemes"

A Project Report Submitted to

Rajiv Gandhi Proudyogiki Vishwavidyalaya

Towards Partial Fulfilment for the Award of

Bachelor Of Technology in Computer Science and Engineering

Submitted By:

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EXAMINER APPROVAL

The Project entitled **"E-portal to help farmers to avail benefits of agriculture government schemes"** submitted by **Bhanu Bais (0827CS213D07), Ayush Singh (0827CS201051), Anurag Pawar (0827CS201038)** has been examined and is hereby approved towards partial fulfilment for the award of Bachelor of Technology degree in Computer Science and Engineering discipline, for which it has been submitted. It understood that by this approval the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the project only for the purpose for which it has been submitted.

(Internal Examiner) **(External Examiner)**

Date: **Date:**

GUIDE RECOMMENDATION

This is to certify that the work embodied in this project entitled ***"E-portal to help farmers to avail benefits of agriculture government schemes"*** submitted by **Bhanu Bais (0827CS213D07), Ayush Singh (0827CS201051), Anurag Pawar (0827CS201038) , Ayush Tiwari (0827CS201054)** is a satisfactory account of the bonafide work done under the supervision of **Prof. Ronak Jain** and **Prof. Narendra Pal Singh** are recommended towards partial fulfilment for the award of the Bachelor of Technology (Computer Science and Engineering) degree by Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal.

(Project Guide) **(Project Coordinator)**

STUDENTS UNDERTAKING

This is to certify that, project entitled **"E-portal to help farmers to avail benefits of agriculture government schemes"** has been developed by us under the supervision of Prof. Ronak Jain and Prof. Narendra Pal Singh Rathore. The whole responsibility of work done in this project is ours. The sole intention of this work is only for practical learning and research.

We further declare that to the best of our knowledge; this report does not contain any part of any work which has been submitted for the award of any degree either in this University or in any other University / Deemed University without proper citation and if the same work is found then we are liable for explanation to this.

Bhanu Bais (0827CS213D07)
Ayush Singh (0827CS201051)
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Acknowledgement

We thank the almighty Lord for giving me the strength and courage to sail out through the tough and reach on shore safely.

There are number of people without whom this projects work would not have been feasible. Their high academic standards and personal integrity provided me with continuous guidance and support.

We owe a debt of sincere gratitude, deep sense of reverence and respect to our guide and mentors **Prof. Ronak Jain** and **Prof. Narendra Pal Singh Rathore**, Associate Professor, AITR, for their motivation, sagacious guidance, constant encouragement, vigilant supervision, and valuable critical appreciation throughout this project work, which helped us to successfully complete the project on time.

We express profound gratitude and heartfelt thanks to **Dr Kamal Kumar Sethi**, HOD CSE, AITR Indore for his support, suggestion, and inspiration for carrying out this project. I am very much thankful to other faculty and staff members of CSE Dept, AITR Indore for providing me all support, help and advice during the project. We would be failing in our duty if do not acknowledge the support and guidance received from **Dr S. C. Sharma**, Director, AITR, Indore whenever needed. We take opportunity to convey my regards to the management of Acropolis Institute, Indore for extending academic and administrative support and providing me all necessary facilities for project to achieve our objectives.

We are grateful to **our parent** and **family members** who have always loved and supported us unconditionally. To all of them, we want to say, “Thank you”, for being the best family that one could ever have and without whom none of this would have been possible.

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Executive Summary

E - PORTAL TO HELP FARMERS TO AVAIL BENEFITS OF AGRICULTURAL GOVT. SCHEMES

This project is submitted to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal (MP), India for partial fulfilment of Bachelor of Technology in Computer Science & Engineering branch under the sagacious guidance and vigilant supervision of Prof. Ronak Jain and Prof. Narendra Pal Singh Rathore.

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. The role of infrastructure is crucial for agriculture development and for taking the production dynamics to the next level. It is only through the development of infrastructure, especially at the post harvest stage that the produce can be optimally utilized with opportunity for value addition and fair deal for the farmers.

Key words: Natural Language Processing, Agriculture, Machine Learning, E-Portal

“Difficulties in your life do not come to destroy you…

But to help you realise your hidden potential and power, Let difficulties know that you too are difficult!”

~A.P.J. Abdul Kalam

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Chapter 1: Introduction

Introduction

1.1 The computer has made everybody's life easier. The most important aspect of computer science today is having the ability of cognitive technologies and providing automation to save the time, an essential skill for life. A e - portal website is a program designed to help farmers for the government schemes . This website is based on the link of government schemes to avail its benefits by farmers.

1.2 Overview

The purpose of this document is to describe the software requirement specifications for various modules of NEGP-A Service-8 ―Monitoring Implementation/Evaluation of Schemes & Programs‖. This SRS covers the requirements and detailed information on how the service system will work. The document details the various processes involved and an analysis of how the current processes can be reengineered to frame a system, which will be used to automate the process Background and Motivation **.**

1.3 Problem Statements and Objectives

The Objective is to have more effective management of schemes of DAC through process redesign aimed at

- Effective Monitoring of the Schemes(timeliness of implementation etc)
- Physical Progress (Targets & Achievements) of each scheme/ programme implemented by DAC, DAHD, DARE
- Financial Progress (Targets & Achievements) of each scheme/ programme implemented by DAC, DAHD, DARE • Utilization of Funds under each scheme
- Scheme wise Identification of Beneficiary and linking them with Land Records Database is available online to various stakeholders at single location

1.4 Scope of the Project

The scope of this document is to identify the requirement specifications of the service 8 under NeGP-A system facilitating development of —A web enabled interface for monitoring physical and financial progress across all the schemes‖ implemented by DAC (Department of Agriculture & Cooperation). This service aims at providing information on schemes and programs implemented at the state with respect to physical progress and fund utilization, automation of issue and submission of utilization certificate and mechanism for grievance management. It will also provide information on list / categories of beneficiaries and will help remove duplication by codifying and linking them with Land Records database. This service will also provide the facility to common public and government officials to search for relevant information using customizable queries.

1.5 Group Organization

Bhanu Bais

Along with preliminary investigation and understanding the drawback of the current system, I studied about the topic and its scope. I surveyed various research papers related to chatbots and the technology to be used. I also contributed to the documentation phase of the project.

- **Ayush Singh**

  I investigated, found the right technology, and studied it in depth. I also organized and debugged the code of the project. I also tested the overall functionality of the project.

- **Ayush Tiwari**

  I worked on the overall documentation of the project. I also collected the object data and trained the model for it. Moreover, I managed the overall structure of the project, its design and working.

- **Anurag pawar**

  I investigated and found the right technology and studied it. For the implementation of the project. Implementation logic for the project objective and coding of internal functionalities is also done by me. I worked on the front-end, making the HTML.

1.6 Report Structure

The project "E - PORTAL TO HELP FARMERS TO AVAIL BENEFITS OF AGRICULTURAL GOVT. SCHEMES" is primarily concerned with providing support to tourists and all customers with the means of an E-Portal.

Chapter 1: Introduction- introduces the background of the problem followed by rationale for the project undertaken. The chapter describes the objectives, scope, and applications of the project. Further, the chapter gives the details of team members and their contribution in development of the project which is then subsequently ended with a report outline.

Chapter 2: Review of Literature- explores the work done in the area of Project undertaken and discusses the limitations of the existing system and highlights the issues and challenges of the project area. The chapter finally ends up with the requirement identification for present project work based on findings drawn from reviewed literature and end user interactions.

Chapter 3: Proposed System - starts with the project proposal based on requirement identified, followed by benefits of the project. The chapter also illustrates the software engineering paradigm used along with different design representations. The chapter also includes a block diagram and details of major modules of the project. Chapter also gives insights of different types of feasibility study carried out for the project undertaken. Later it gives details of the different deployment requirements for the developed project.

Chapter 4: Implementation - includes the details of different Technology/ Techniques/ Tools/ Programming Languages used in developing the Project. The chapter also includes the different user interfaces designed in the project along with their functionality. Further it discusses the experiment results along with testing of the project. The chapter ends with evaluation of the project on different parameters like accuracy and efficiency.

Chapter 5: Conclusion - Concludes with objective wise analysis of results and limitation of present work which is then followed by suggestions and recommendations for further improvement.

Chapter 2: Review of Literature

Review of Literature

2.1 A farm relief or booster package for the farmers was expected in the Interim Budget 2019, given the focus of the Government on addressing the agrarian crisis. Living up to these expectations and walking a tightrope between financial prudence and populism, the Government announced an income support scheme for poor farmers. A gigantic outlay of ₹75,000 crore for FY 2019 and ₹20,000 crore for FY 2018 (starting December 2018) was announced under Kisan Samman Nidhi scheme, which will be funded entirely by the Central Government. Under this scheme, farmers holding less than 2 ha of land will receive ₹6,000 annually, in 3 installments. This amount will be credited directly to farmers' account

2.2 Preliminary Investigation

2.2.1 Current System

- Land Record primary key Information (the location hierarchy and the plot ID such as khata no/survey no/khasra no. etc specific as per each state) will have to be entered.
- For this, all the master tables related to location hierarchy with respect to each state are required, as the table structure is not standardized across states. These tables will be used in application for capturing the information as mentioned in the tables above with respect to each state.
- The process mentioned above will form the Primary Key to pass the parameter to web services. The detailed information such as the land details, crop details, tenure detail, general details etc with respect to each state will be pulled from each state land records database.
- For this, web service will have to be developed by each state to fetch data for the parameters listed above in the tables, to facilitate interoperability.

2.3 Requirement Identification and Analysis for Project

System analysis is the process of gathering and interpreting facts, diagnosing problems and usingthe information to recommend improvements on the system. System analysis is a problemsolving activity that requires intensive communication between the system users and systemdevelopers.System analysis or study is an important phase of any system development process. The systemis studied to the minutest detail and analyzed. The system analyst plays the role of aninterrogator and dwells deep into the working of the present system. The system is viewed as awhole and the inputs to the system are identified. The outputs from the organization are tracedthrough the various processing that the inputs phase through in the organization.A 4 detailed study of these processes must be made by various techniques like Interviews,Questionnaires etc. The data collected by these sources must be scrutinized to arrive to aconclusion. The conclusion is an understanding of how the system functions. This system iscalled the existing system. Now, the existing system is subjected to close studyand the problem areas are identified. The designer now functions as a problem solver and tries tosort out the difficulties that the enterprise faces. The solutions are given as a proposal. The proposal is then weighed with the existing system analytically and the best one is selected. The proposal is presented to the user for an endorsement by the user. The proposal is rev iewed onuser request and suitable changes are made. This loop ends as soon as the user is satisfied with the proposal.

2.3.1 Conclusion

Technology is not the only requirement to build a successful chatbot. This chapter reviews the literature surveys that have been done during the research work. The related work that has been proposed by many researchers has been discussed. E-farming CONCLUSION: This Project will thus pave the way for an efficient means to carry out the buying and selling of the products. Farmers will earn money as per the work they have done and will not suffer losses. Also the system will be supported by Cloud Computing thereby reducing the price aspect of the system tremendously. This system is proposed to replace the existing system where the farmer has to suffer between the manufacturers and the traders. Also the main advantage of this project is that it uses Information Technology. The User only needs basic products like a Computer and an internet connection. The Future Scope of this Project is that it will incorporate Contract Farming. Contract farming is agricultural production carried out according to an agreement between a buyer and farmers, which establishes conditions for the production and marketing of a farm product or products. Typically, the farmer agrees to provide established quantities of a specific agricultural product, meeting the quality standards and delivery schedule set by the purchaser. In turn, the buyer commits to purchase the product, often at a pre-determined price. In some cases the buyer also commits to support production through, for example, supplying farm inputs, land preparation, providing technical advice and arranging transport of produce to the buyer's premises. Another term often used to refer to contract farming operations is ‗out-grower schemes‖, whereby farmers are linked with a large farm or processing plant which supports production planning, input supply, extension advice and transport. Contract farming is used for a wide variety of agricultural products.This Project will thus pave the way for an efficient means to carry out the buying and selling of the products. Farmers will earn money as per the work they have done and will not

suffer losses. Also the system will be supported by Cloud Computing thereby reducing the price aspect of the system tremendously. This system is proposed to replace the existing system where the farmer has to suffer between the manufacturers and the traders. Also the main advantage of this project is that it uses Information Technology. The User only needs basic products like a Computer and an internet connection

Chapter 3: Proposed System

Proposed System

3.1 The Proposal

Drought has been a constant feature of the area and recently, saw droughts in 2015, 16

and 2018. These have had a devastating impact on the lives and livelihoods in the area with the small, marginal and landless most affected. Drought continues to erode the productivity of their small land holdings which in turn brings only a few months food security, necessitating seasonal migration in search of work as daily wage labour. The Karlamunda Block is one such unreached pocket. Pulse crops play an important role in Indian agriculture. It forms an essential component of the Indian diet as Dal - Bhat (pulses and rice) denotes complete and essential meal. Besides being rich in protein, they sustain the productivity of the cropping system. Their ability to use atmospheric nitrogen through biological nitrogen fixation (BNF) is economically sound and environmentally acceptable. Benefits of the Proposed system

3.2 Benefits of the Proposed system

There are multiple benefits of using E-Portal which are as follows:

- Farers get a full details of schemes very easily by the help of Portal.
- Farmers apply for grt a benefit of schemes easily.
- This portal take very less time to given information to the farmers.

3.3 Feasibility Study

3.3.1 Technical

information technology refers to the utilization of computers along with other telecommunication equipment for the storage, retrieval, transmission, and manipulation of data, among other tasks, which are aimed to improve the efficiency of different sectors**.**

3.3.1 Economical

As Portal is not a complex or a tough tool to get started, any computer operator can work on this technology which reduces the cost of hiring highly skilled programmers required for making a conventional machine learning chatbot. Thus, making it super economical!

3.3.1 Operational

Some of the operations involved are ploughing, sowing, irrigation, weeding and harvesting. The outputs from the system include crops, wool, dairy and poultry products. Farming is practised in various ways across the world

3.4 Deployment Requirements

Hardware

- x86 (32-bit) or x64 (64-bit) Processing System

Software

- Any operating system
- Any web browser

Chapter 4: Implementation

Implementation

The Government has rolled out a number of new initiatives like Soil Health Card Scheme, Neem Coated Urea, Paramparagat Krishi Vikas Yojana (PKVY), Pradhan Mantri Krishi Sinchayee Yojana (PMKSY), National Agriculture Market (e-NAM), Pradhan Mantri Fasal Bima Yojana (PMFBY) and Interest Subvention Scheme. Farmers known of all those schemes by the help of this web page.

4.1 Technique Used

4.1.1 Dialogflow

This page is made for farmers .By this page farmers get a all details of Agriculture schemes that run by government for farmers. All schemes details are available on this page farmer can easily see on it

4.2 Tools Used

4.2.1 HTML

An **HTML element** is a type of HTML (HyperText Markup Language) document component, one of several types of HTML nodes (there are also text nodes, comment nodes and others).[*vague*] The first used version of HTML was written by Tim Berners-Lee in 1993 and there have since been many versions of HTML. The most commonly used version is HTML 4.01, which became official standard in December 1999.[1] An HTML document is composed of a tree of simple HTML nodes, such as text nodes, and HTML elements, which add semantics and formatting to parts of document (e.g., make text bold, organize it into paragraphs, lists and tables, or embed hyperlinks and images). Each element can have HTML attributes specified. Elements can also have content, including other elements and text.

4.3 Language Used

In our project, JavaScript is used. JavaScript is a programming language that is one of the core technologies of the World Wide Web, alongside HTML and CSS. JavaScript is used in the backend for creating all functionalities and behaviour essential for running Dialogflow in parallel with the website.

4.4 Screenshots

Level 1 – Getting Started

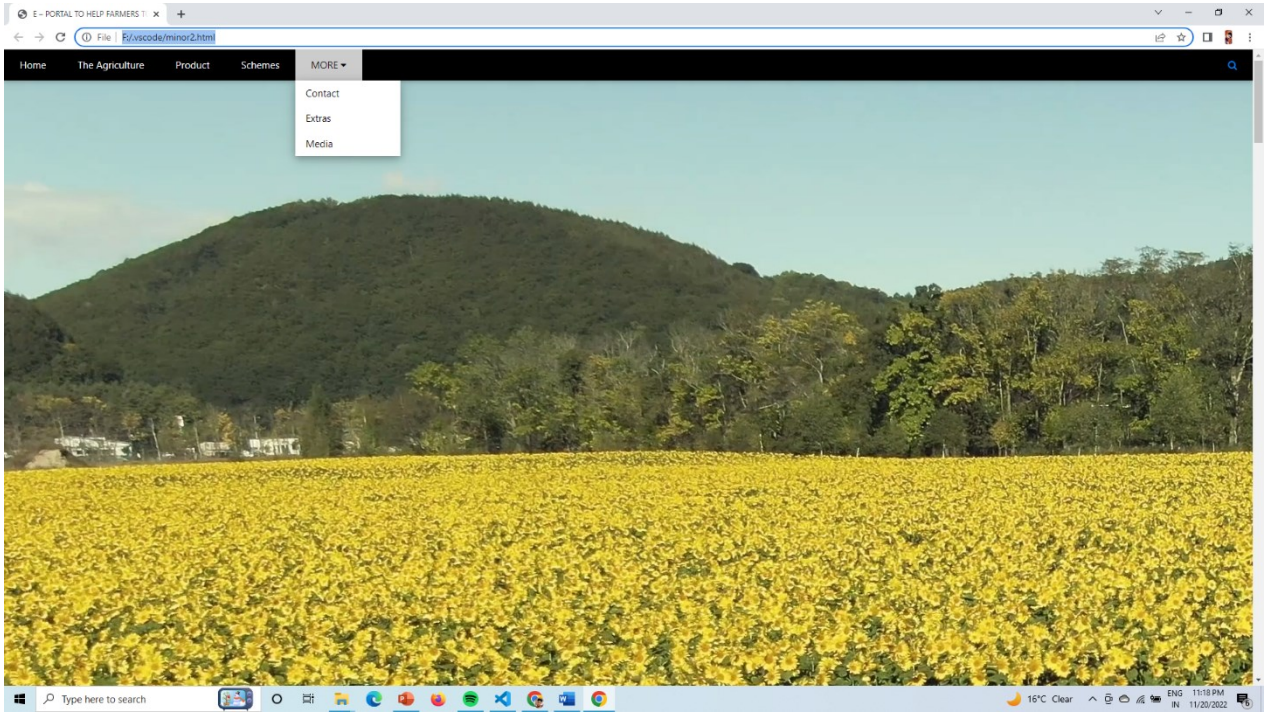
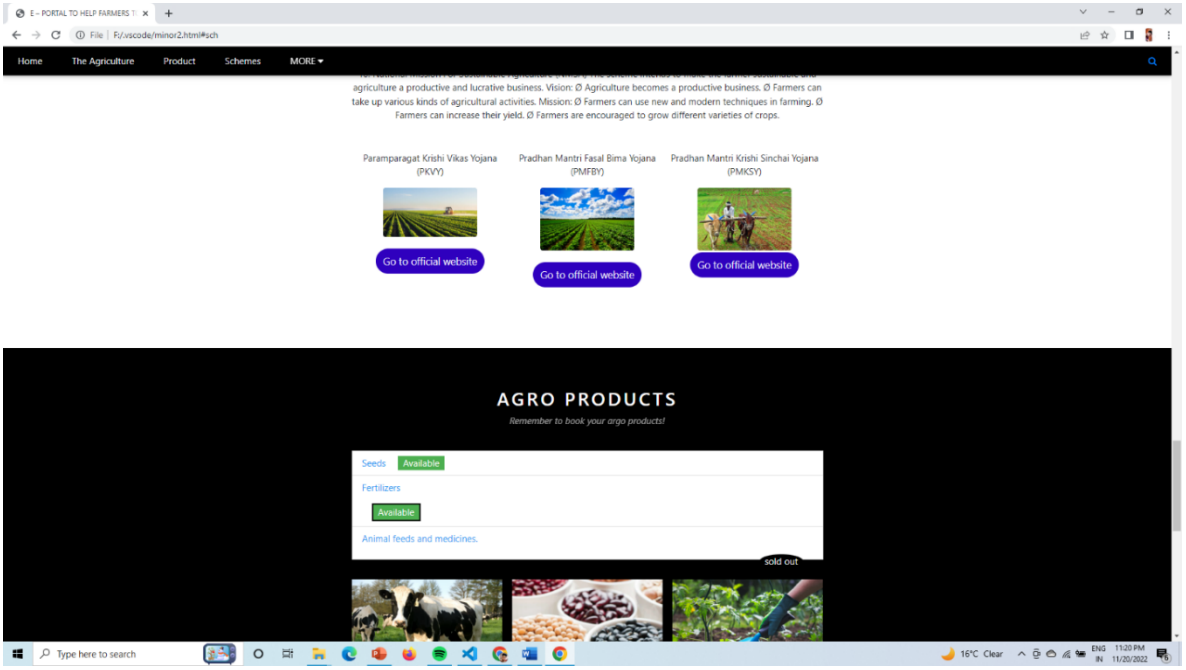


Figure 4-1: Getting setup



4.5 Testing

Tests can be conducted based on two approaches –

- Functionality testing
- Implementation testing

4.5.1 Strategy Used

We have used the built-in test feature to uncover bugs and prevent regressions. To test our agent, we created test cases using the simulator to define test cases, then executed test cases as needed. A test execution verifies that agent responses have not changed for end-user inputs defined in the test case.

4.5.2 Analysis

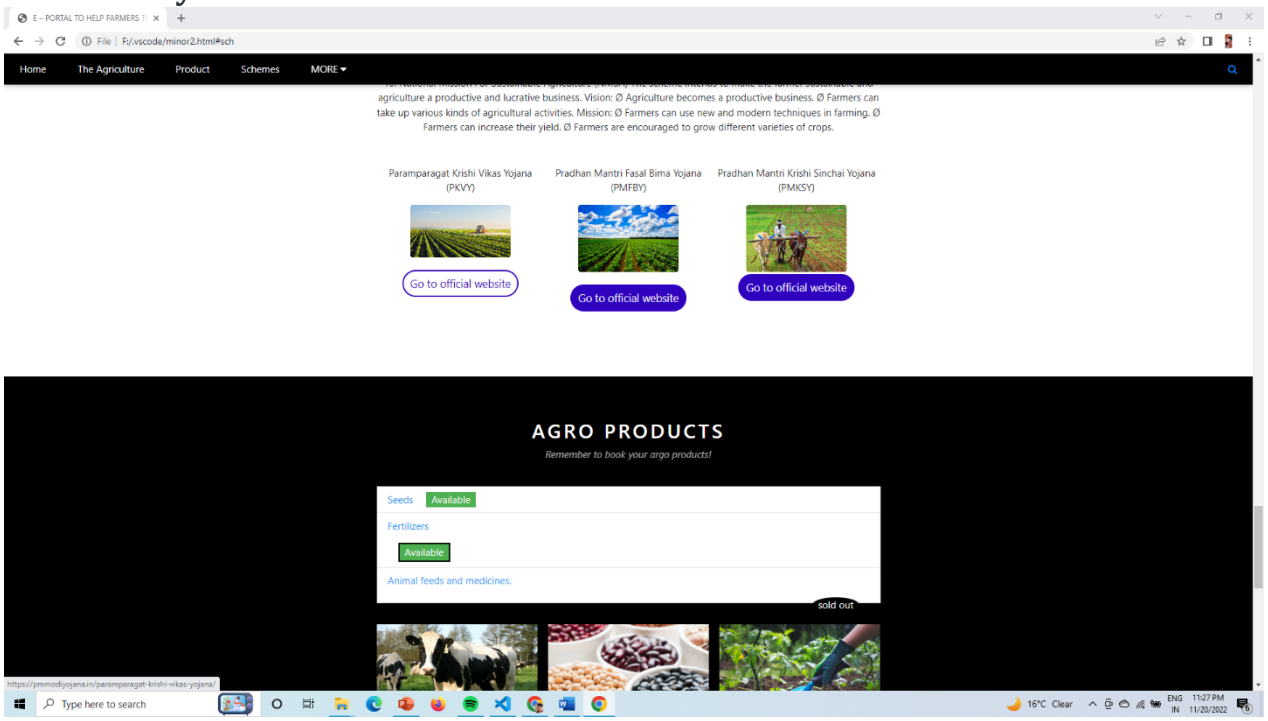


Figure 4-14: Test Case 1

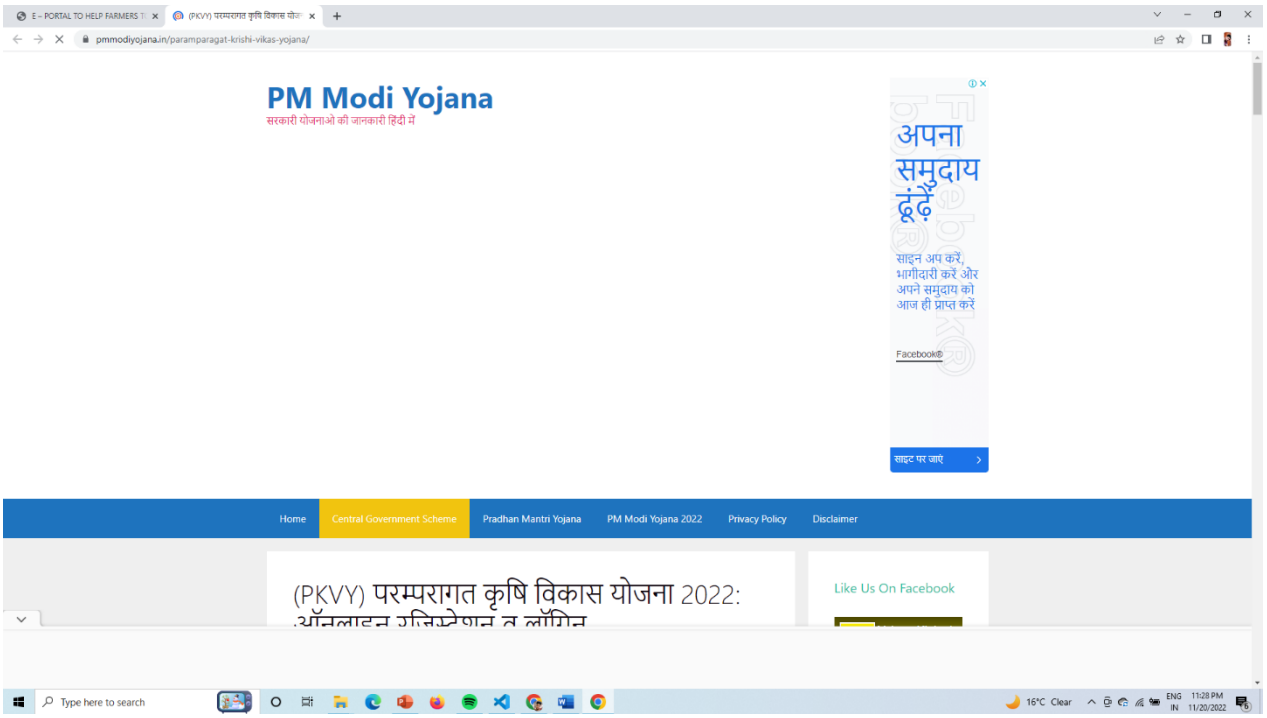


Figure 4-15: Test Case 2

Chapter 5: Conclusion

Conclusion

5.1 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. In our project, the method of searching of every schemes that goverment running now in our nation are very easy . By this method farmer take a benefit of all schemes are very easily. This way when the user visits the website, it does not have the hassle to search for questions. The user is greeted. Further, user is allowed to type any desired schemes that they want to know, then they click on it and all informatin of that scheme are easily seen on screen. and they are intrested on that scheme they can direct visit on official website of goverment by the help of only one click and then they applie on it according to govrerment term and conditions..

5.2 Limitations of the Work

As we have used Dialogflow in backend, there are notable limitations of the chatbot:

There are notable limitations of the this Web page:
Flexibility and developer experience: Although this page is intuitive on the surface, you will find that it is not as flexible a platform as you would have hoped for. For example, if you decide that I want to move a follow-up response under a different Intent, you cannot simply drag that under the desired Intent. Instead, you will need to delete the existing Intent, create a new Intent in a different location, and re-type all the training phrases you have already created. This poses a problem because it results in a lot of tedious repetitions which are quite frankly a waste of time and it forces developers to think well in advance about

5.1 Suggestion and Recommendations for Future Work

- Easily get a knowledge of government schemes
- Farmers get a benefit easily.

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7.http://egovstandards.gov.in/sites/default/files/IndEA%20Framework%201.0.pdf

8.http://egovstandards.gov.in/sites/default/files/IndEA%20Framework%201.0.pdf

SOURCE CODE

1. Index.html

```
<!DOCTYPE html>

<html lang="en">

<head>

<title>E – PORTAL TO HELP FARMERS TO AVAIL BENEFITS OF AGRICULTURE GOVERNMENT SCHEMES</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">

<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Lato">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

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crossorigin="anonymous">
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
<script
src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>
<style>
html{
  scroll-behavior: smooth;
}
#bg-video{
  /* position: absolute; */
  width: 100%;
```

```
  /* top: -229px; */
  right: 0px;
  z-index: -1;
  object-position: center;
  object-fit: cover;
}
.sch-btn{
  padding: 6px 10px;
  border: 2px solid rgb(47,0,190);
  background-color: rgb(47,0,190);
  color: white;
  margin: 3px 5px;
  font-size: 1.1rem;
  border-radius: 80px;
cursor: pointer;
transition-property: all;
transition-duration: .3s;
}
.sch-btn:hover{
  color: rgb(47,0,190);
  border-radius: 100px;
  background-color: white;
}
</style>

</head>

<body>



<!-- Navbar -->
<div class="w3-top">
<div class="w3-bar w3-black w3-card">
<a class="w3-bar-item w3-button w3-padding-large w3-hide-medium w3-hide-large w3-
right" href="javascript:void(0 yhi)" onclick="myFunction()" title="Toggle
Navigation Menu"><i class="fa fa-bars"></i></a>
<a href="#" class="w3-bar-item w3-button w3-padding-large">Home</a>
<a href="#Agiculture" class="w3-bar-item w3-button w3-padding-large w3-hide-
small">The Agriculture</a>
<a href="#PRODUCTS" class="w3-bar-item w3-button w3-padding-large w3-hide-
small">Product</a>
<a href="#sch" class="w3-bar-item w3-button w3-padding-large w3-hide-
small">Schemes</a>
<div class="w3-dropdown-hover w3-hide-small">
<button class="w3-padding-large w3-button" title="More">MORE <i class="fa fa-
caret-down"></i></button>
<div class="w3-dropdown-content w3-bar-block w3-card-4">
<a href="#contact" class="w3-bar-item w3-button">Contact</a>
<a href="#" class="w3-bar-item w3-button">Extras</a>
```

```
<a href="#" class="w3-bar-item w3-button">Media</a>
</div>
</div>
<a href="javascript:void(0)" class="w3-padding-large w3-hover-red w3-hide-small
w3-right"><i class="fa fa-search"></i></a>
</div>
</div>

<!-- Navbar on small screens (remove the onclick attribute if you want the navbar
to always show on top of the content when clicking on the links) -->
<div id="navDemo" class="w3-bar-block w3-black w3-hide w3-hide-large w3-hide-
medium w3-top" style="margin-top:46px">
<a href="#Agiculture" class="w3-bar-item w3-button w3-padding-large"
onclick="myFunction()">Agriculture</a>
<a href="#Products" class="w3-bar-item w3-button w3-padding-large"
onclick="myFunction()">Products</a>
<a href="#contact" class="w3-bar-item w3Chic w3-padding-large"
onclick="myFunction()">Contact</a>
<a href="#" class="w3-bar-item w3-button w3-padding-large"
onclick="myFunction()">FAQ</a>
</div>

<!-- page content -->
<div class="w3-content" style="max-width:2000px;margin-top:46px">

  <!-- Automatic Slideshow Images -->
  <!-- <div class="mySlides w3-display-container w3-center">//
    <img src="https://enam.gov.in/web/Slider_gallary/1/img_4.png"
style="width:100%">
    <div class="w3-display-bottommiddle w3-container w3-text-white w3-padding-32
w3-hide-small">
    </div>
  </div>
  <div class="mySlides w3-display-container w3-center">
    <img
src="https://cdn.zeebiz.com/sites/default/files/styles/zeebiz_850x478/public/2022
/08/12/194671-farm-pixa.jpg?itok=16_tI5RM" style="width:100%">
    <div class="w3-display-bottommiddle w3-container w3-text-white w3-padding-32
w3-hide-small">
    </div>
  </div>
  <div class="mySlides w3-display-container w3-center">
    <img
src="https://i.pinimg.com/736x/d1/d5/11/d1d5112b2eaacab46f11e4d03e3103e2--
agriculture-farmers.jpg" style="width:100%">
    <div class="w3-display-bottommiddle w3-container w3-text-white w3-padding-32
w3-hide-small">
    </div>
  </div> -->
  <div id="bg-video">
```

```
    <div id="carouselExampleIndicators" class="carousel slide" data-
ride="carousel">
      <ol class="carousel-indicators">
        <li data-target="#carouselExampleIndicators" data-slide-to="0"
class="active"></li>
        <li data-target="#carouselExampleIndicators" data-slide-to="1"></li>
        <li data-target="#carouselExampleIndicators" data-slide-to="2"></li>
      </ol>
    <div class="carousel-inner">
      <div class="carousel-item active">
        <!-- <img class="d-block w-100" src="..." alt="First slide"> -->
        <video autoplay muted loop plays-inlne src="/Plant - 36949.mp4"></video>
      </div>
      <div class="carousel-item">
        <!-- <img class="d-block w-100" src="..." alt="Second slide"> -->
        <video autoplay muted loop plays-inlne src="/F:\.vscode\Sunflowers -
21530.mp4"></video>
      </div>
      <div class="carousel-item">
       <!-- <img class="d-block w-100" src="..." alt="Second slide"> -->
       <video autoplay muted loop plays-inlne src="/F:\.vscode\Grain -
43760.mp4"></video>
    </div>
    <a class="carousel-control-prev" href="#carouselExampleIndicators"
role="button" data-slide="prev">
      <span class="carousel-control-prev-icon" aria-hidden="true"></span>
      <span class="sr-only">Previous</span>
    </a>
    <a class="carousel-control-next" href="#carouselExampleIndicators"
role="button" data-slide="next">
      <span class="carousel-control-next-icon" aria-hidden="true"></span>
      <span class="sr-only">Next</span>
    </a>
  </div>
</div>

<!-- Agriculture feed the world -->
<div class="w3-container w3-content w3-center w3-padding-64" style="max-
width:800px" id="band">
<h2 class="w3-wide" id="Agiculture">Agriculture feed the world </h2>
<p class="w3-opacity"><i>we love our farmer </i></p>
<p class="w3-justify">E-NAM
National Agriculture Market (eNAM) is a pan-India electronic trading portal which
networks the existing APMC mandis to create a unified national market for
agricultural commodities.

Small Farmers Agribusiness Consortium (SFAC) is the lead agency for implementing
eNAM under the aegis of Ministry of Agriculture and Farmers' Welfare, Government
of India.
```

```
Vision

To promote uniformity in agriculture marketing by streamlining of procedures
across the integrated markets, removing asymmetry between buyers and sellers and
promoting real time price discovery based on actual demand and supply.

Mission

Integration of APMCs across the country through a common online market platform
to facilitate pan-India trade in agriculture commodities, providing better price
discovery through transparent auction process based on quality of produce along
with timely online payment.
National Mission For Sustainable Agriculture (NMSA)
National Mission for Sustainable Agriculture (NMSA) has been formulated for
enhancing agricultural productivity especially in rainfed areas focusing on
integrated farming, water use efficiency, soil health management and synergizing
resource conservation.

NMSA will cater to key dimensions of 'Water use efficiency', 'Nutrient
Management' and 'Livelihood diversification' through adoption of sustainable
development pathway by progressively shifting to environmental friendly
technologies, adoption of energy efficient equipments, conservation of natural
resources, integrated farming, etc</p>

</p>1.Pradhan Mantri Krishi Sinchai Yojana (PMKSY)
Government of India is committed to accord high priority to water conservation
and its management. To this effect Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)
has been formulated with the vision of extending the coverage of irrigation 'Har
Khet ko pani' and improving water use efficiency 'More crop per drop' in a
focused manner with end to end solution on source creation, distribution,
management, field application and extension activities.
</p>
<p>2.Paramparagat Krishi Vikas Yojana (PKVY)
The Paramparagat Krishi Vikas Yojana (PKVY), an initiative to promote organic
farming in the country, was launched by the NDA government in 2015
According to the scheme, farmers will be encouraged to form groups or clusters
and take to organic farming methods over large areas in the country.

The aim is to form 10,000 clusters over the next three years and bring about five
lakh acres of agricultural area under organic farming. The government also
intends to cover the certification costs and promote organic farming through the
use of traditional resources.

To avail the scheme, each cluster or group must have 50 farmers willing to take
up organic farming under the PKVY and possess a total area of at least 50 acres.
Each farmer enrolling in the scheme will be provided INR 20,000 per acre by the
government spread over three years time
<p>
3.Pradhan Mantri Fasal Bima Yojana (PMFBY)
```

Pradhan Mantri Fasal Bima Yojana (PMFBY) is the government sponsored crop insurance scheme that integrates multiple stakeholders on a single platform.

Objectives

1. To provide insurance coverage and financial support to the farmers in the event of failure of any of the notified crop as a result of natural calamities, pests & diseases.

2. To stabilise the income of farmers to ensure their continuance in farming.
3. To encourage farmers to adopt innovative and modern agricultural practices.

4. To ensure flow of credit to the agriculture sector.</p>

Gramin Bhandaran Yojna

Objective of this Scheme:

Create scientific storage capacity with allied facilities in rural areas.

To meet the requirements of farmers for storing farm produce, processed farm produce and agricultural inputs.

Promotion of grading, standardization and quality control of agricultural produce to improve their marketability.

Prevent distress sale immediately after harvest by providing the facility of pledge financing and marketing credit by strengthening agricultural marketing infrastructure in the country.

Livestock insurance Scheme

This scheme aims to provide protection mechanism to the farmers and cattle rearers against any eventual loss of their animals due to death and to demonstrate the benefit of the insurance of livestock to the people and popularize it with the ultimate goal of attaining qualitative improvement in livestock and their products.

Scheme on Fisheries Training and Extension

It was launched to provide training for fishery sector so as to assist in undertaking fisheries extension programmes effectively.

National Scheme on Welfare of Fishermen

This scheme was launched to provide financial assistance to fishers for construction of house, community hall for recreation and common working place. It also aims to install tube-wells for drinking water and assistance during lean period through saving cum relief component

```
Micro Irrigation Fund (MIF)

The government approved a dedicated Rs5,000 crore fund to bring more land area
under micro-irrigation as part of its objective to boost agriculture production
and farmers income.

The fund has been set up under NABARD, which will provide this amount to states
on concessional rate of interest to promote micro-irrigation, which currently has
a coverage of only 10 million hectares as against the potential of 70 million
hectares.
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Top 10 Central Government Schemes for farmers in India

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Top 10 Central Government Schemes for farmers in India
Top 10 Central Government Schemes for farmers in India
 05 May, 2022
TRACTOR ON ROAD PRICE
What is a Central Government Scheme?
The central government aims to maximize farm output and generate employment in
the agriculture sector. To achieve this aim it intends to introduce various
schemes and plans for the benefit of the farmers. The goal of the central
government is to develop innovative services that tend to increase the employment
rate and better agriculture output.

Why Government Schemes are Necessary?
The government schemes are necessary to provide better and sustainable livelihood
to its citizens. Like any other, sector the agriculture sector needs also needs
the attention of the government. The majority of the population in India is
dependent on agriculture and allied activities for their livelihood.
Schemes introduced by the central government help the farming community in
planning and organizing their farming activities prudently. The government is
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quite aware that the agriculture sector contributes a major chunk of the GDP of
the economy. For the economy to prosper the government pays special attention to
this sector.
During the days of complete lockdown, the Indian economy suffered a drawback by
recording almost 24 per cent negative development during the primary quarter of
FY 2020-21. Agriculture was the only sector that recorded a positive growth of
3.4 per cent.
The central government has introduced many schemes for the agriculture sector in
the past few years. Here we highlight and discuss the top 10 most significant
schemes for farmers introduced by the central government.
<p>
1. Pradhan Mantri Krishi Sinchai Yojana (PMKSY)
Har Khet ko Pani "Prime Minister Krishi Sinchayee Yojana"
Vision
Ø  commitment toward conservation and management of water.
Ø  Improve the water-use efficiency.
Mission
Ø  More crop per drop
Ø  Solution on source creation and management of water.
Ø  Solution about field application and activities.
</p>
<p>
2. Paramparagat Krishi Vikas Yojana (PKVY)
An initiative launched by the NDA government in 2015
Vision
Ø  To promote organic farming
Ø  Use of traditional resources.
Mission
Ø  Farmers are encouraged to form clusters or groups.
Ø  The aim is to form 10,000 clusters over the coming years.
Ø  To bring five lakh acres of agricultural land under organic farming.
Ø  Certification costs are to be borne by the government.
Ø  Each cluster or group has 50 farmers willing to take up organic farming.
Ø  Each farmer who enrolls in the scheme is to be provided Rs 20000 per acre.<p>
</p>
3. Pradhan Mantri Fasal Bima Yojana (PMFBY)
It is a crop insurance scheme where multiple stakeholders are integrated on a
single platform.
Vision
Ø  To provide the farmers a stable source of income.
Ø  Farmers need not worry about income during natural calamities.
Mission
Ø  Farmers to be given financial support by way of insurance.
Ø  Farmers continue to do farming even when faced with crop loss.
Ø  Make the farmers self-reliant
Ø  Credit flow is ensured in case of crop loss due to pests and natural
calamities.<p>
</p>
4. Gramin Bhandaran Yojana
```

Under this, scheme the government aims to provide storage facilities to the farmer in rural areas.

Vision

- Create modern storage facilities in rural areas.
- Farmers are encouraged to maximize their output.

Mission

- Creating enough storage facilities.
- Farmers can store farm produce, processed farm produce, and agricultural inputs.
- Improve the marketability of farm produce.
- Prevent the sale of produce immediately after harvest due to distress.

5. Pradhan Mantri Kisan Maan-Dhan Yojana (PM-KMY)

This scheme is especially for farmers between the age of 18-40 years. To avail of the benefit of this scheme, the farmer has to register under the pension fund.

Vision:

- The Welfare of small and marginal farmers
- Provide monthly income to farmers above 60 years of age

Mission

- To provide a minimum monthly income of Rupees 3000 for farmers after the age of 60.
- The Scheme is administered through the farmers' cooperation and welfare department of agriculture.

6. PM Kisan Samman Nidhi Yojana

The main objective of the scheme is to transfer an amount of Rupees 6000 to the account of farmers annually. This scheme is very helpful to all those small and marginal farmers who need to buy various farm implements and meet other agricultural expenses.

Vision:

- The scheme is intended to make the small and marginal farmers strong.
- The small and marginal farmer is in a position to sustain his activities.
- To make the farmer attentive and active.

Mission:

- Income support to all land-holding farmers.
- Ensure the sustainable growth of small and marginal farmers.
- Small farmers can buy various farm implements.

7. Micro Irrigation Fund scheme

The scheme is aimed to remove the hurdles of irrigation. Most farmers are depended on rain for their crops. Through this scheme, the government aims to provide irrigation facilities to the farmers.

Vision:

- Farmers can take up new and upcoming irrigation projects.
- To make the farmer self-reliant for his irrigation needs.
- Farmers are no longer dependent on rain only.

Mission:

- Expand the coverage of irrigation facilities.
- Micro-irrigation projects are undertaken by the farmers.

```
Ø  Micro-irrigation systems are installed throughout the country. <p>
</p>
8.  E-NAM
E-NAM is an electronic National Agriculture Marketing portal that pans India and
connects the existing mandis. The purpose is to create a pan India market for
agricultural produce.
Vision:
Ø  Promote uniformity among agriculture markets.
Ø  Eliminate the role of the middle man in agriculture markets.
Ø  Offer competitive prices to farmers for their produce.
Mission:
Ø  Integrate all APMCs across the country.
Ø  Provide an online marketing platform for agriculture.
Ø  Facilities are available pan India.<p>
</p>
9. Kisan Credit Card (KCC)
This scheme was launched in 1998 to provide credit facilities to farmers. The
scheme intends to provide enough credit to farmers for their agriculture
expenses.
Vision:
Ø  Farmers should not be cash-starved.
Ø  Farmers are not at the mercy of money lenders for agricultural expenses.
Mission:
Ø  Farmers have the minimum working capital required to meet their day-to-day
expenses.
Ø  Farmers become self-dependent.
Ø  The Scheme also helps people in dairy farming and fisheries.
</p>
10. National Mission For Sustainable Agriculture (NMSA)
The scheme intends to make the farmer sustainable and agriculture a productive
and lucrative business.
Vision:
Ø  Agriculture becomes a productive business.
Ø  Farmers can take up various kinds of agricultural activities.
Mission:
Ø  Farmers can use new and modern techniques in farming.
Ø  Farmers can increase their yield.
Ø  Farmers are encouraged to grow different varieties of crops.<p>
</p>
<div class="w3-row w3-padding-32" id="sch">
<div class="w3-third">
<p>Paramparagat Krishi Vikas Yojana (PKVY)</p>
<img src="
https://media.istockphoto.com/id/506164764/photo/tractor-spraying-soybean-
field.jpg?s=612x612&w=0&k=20&c=h27yHr07QNSghYS20iwYBCGjZIa2HlXqrZDkM0ZsYEw="
class="w3-round w3-margin-bottom" alt="Paramparagat Krishi Vikas Yojana (PKVY)

" style="width:60%">
<a href="https://pmmodiyojana.in/paramparagat-krishi-vikas-yojana/"
target="_blank"><button class="sch-btn">Go to official website</button></a>
```

```
</div>
<div class="w3-third">
<p>Pradhan Mantri Fasal Bima Yojana (PMFBY)</p>
<img src="https://thumbs.dreamstime.com/b/agriculture-vegetable-field-landscape-
view-freshly-growing-84090367.jpg" class="w3-round w3-margin-bottom" alt="Pradhan
Mantri Krishi Sinchai Yojana (PMKSY)" style="width:60%">
<a href="https://pmfby.gov.in/" target="_blank"><button class="sch-btn">Go to
official website</button></a>
</div>
<div class="w3-third">
<p>Pradhan Mantri Krishi Sinchai Yojana (PMKSY)</p>

<img
src="https://imgnew.outlookindia.com/public/uploads/articles/2021/5/21/Picture_(3
).jpg" class="w3-round" alt=") Pradhan Mantri Fasal Bima Yojana (PMFB)"
style="width:60%">
<a href="https://pmksy.gov.in/" target="_blank"><button class="sch-btn">Go to
official website</button></a>
</div>
</div>
</div>

<!-- The Product -->
<div class="w3-black" id="PRODUCTS">
<div class="w3-container w3-content w3-padding-64" style="max-width:800px">
<h2 class="w3-wide w3-center">AGRO PRODUCTS</h2>
<p class="w3-opacity w3-center"><i>Remember to book your argo
products!</i></p><br>

<ul class="w3-ul w3-border w3-white w3-text-blue">
<li class="w3-padding">Seeds <span class="w3-tag w3-green w3-margin-
left">Available</span></li>
<li class="w3-padding">Fertilizers</p><button <span class="w3-tag w3-green w3-
margin-left">Available</span></li>
<li class="w3-padding">Animal feeds and medicines.</p><button<span class="w3-
badge w3-right w3-margin-right">sold out</span></li>
</ul>

<div class="w3-row-padding w3-padding-32" style="margin:0 -16px">
<div class="w3-third w3-margin-bottom">
<img
src="https://cptstatic.s3.amazonaws.com/imagens/enviadas/materias/materia13696/ca
racteristicas-vacas-leiteiras-dicas-cursos-cpt.jpg" alt="Mumbai"
style="width:100%" class="w3-hover-opacity">
<div class="w3-container w3-white">
<p><b> Mumbai</b></p>
<p class="w3-opacity">November 2022</p>
<p>Animal feed and medicines.</p>
```

```
<button class="w3-button w3-blue w3-margin-bottom"
onclick="document.getElementById('ticketModal').style.display='block'">Buy
</button>
</div>
</div>
<div class="w3-third w3-margin-bottom">
<img src="https://nationaltoday.com/wp-content/uploads/2022/07/7-Seed-Gathering-
Sunday.jpg" alt="Inodre" style="width:100%" class="w3-hover-opacity">
<div class="w3-container w3-white">
<p><b>Indore</b></p>
<p class="w3-opacity">November 2022</p>
<p>High quality seeds.</p>
<button class="w3-button w3-blue w3-margin-bottom"
onclick="document.getElementById('ticketModal').style.display='block'">Buy
</button>
</div>
</div>
<div class="w3-third w3-margin-bottom">
<img src="https://www.thestatesman.com/wp-content/uploads/2021/09/QT-
fertiliser.jpg" alt="Delhi" style="width:100%" class="w3-hover-opacity">
<div class="w3-container w3-white">
<p><b>New delhi</b></p>
<p class="w3-opacity">November 2022</p>
<p>High quality Fertilizers.</p>
<button class="w3-button w3-blue w3-margin-bottom"
onclick="document.getElementById('ticketModal').style.display='block'">Buy
</button>
</div>
</div>
</div>
</div>
<yhv>

<!-- Agro product Modal -->
<div id="ticketModal" class="w3-modal">
<div class="w3-modal-content w3-animate-top w3-card-4">
<header class="w3-container w3-teal w3-center w3-padding-32">
<span onclick="document.getElementById('ticketModal').style.display='none'"
class="w3-button w3-teal w3-xlarge w3-display-topright">&times;</span>
<h2 class="w3-wide"><i class="fa fa-suitcase w3-margin-right"></i>Agro
Products</h2>
</header>
<div class="w3-container">
<p><label><i class="fa fa-shopping-cart"></i> Agro Product, $15 per
person</label></p>
<input class="w3-input w3-border" type="text" placeholder="quantity?">
<p><label><i class="fa fa-user"></i> Send To</label></p>
<input class="w3-input w3-border" type="text" placeholder="Enter email">
<button class="w3-button w3-block w3-teal w3-padding-16 w3-section w3-right">PAY
<i class="fa fa-check"></i></button>
```

```
<button class="w3-button w3-red w3-section"
onclick="document.getElementById('ticketModal').style.display='none'">Close <i
class="fa fa-remove"></i></button>
<p class="w3-right">Need <a href="#" class="w3-text-blue">help?</a></p>
</div>
</div>
</div>

<!-- The Contact Section -->
<div class="w3-container w3-content w3-padding-64" style="max-width:800px"
id="contact">
<h2 class="w3-wide w3-center">CONTACT</h2>
<p class="w3-opacity w3-center"><i>Drop a note!</i></p>
<div class="w3-row w3-padding-32">
<div class="w3-col m6 w3-large w3-margin-bottom">
<i class="fa fa-map-marker" style="width:30px"></i> Indore,INDIA<br>
<i class="fa fa-phone" style="width:30px"></i> Phone:
+918462934134,+916265233909<br>
<i class="fa fa-envelope" style="width:30px"> </i> Email:
Bhanupratapcs21@acropolis.in , ayush.20077@acropolis.in<br>
</div>
<div class="w3-col m6">
<form action="/action_page.php" target="_blank">
<div class="w3-row-padding" style="margin:0 -16px 8px -16px">
<div class="w3-half">
<input class="w3-input w3-border" type="text" placeholder="Name" required
name="Name">
</div>
<div class="w3-half">
<input class="w3-input w3-border" type="text" placeholder="Email" required
name="Email">
</div>
</div>
<input class="w3-input w3-border" type="text" placeholder="Message" required
name="Message">
<button class="w3 w3-section w3-right" type="submit">SEND</button>
</form>
</div>
</div>
</div>
<!-- End Page Content -->
</div>

<!-- Image of location/map -->
<img src="/w3images/map.jpg" class="w3-image w3-greyscale-min"
style="width:100%">

<!-- Footer -->
<footer class="w3-container w3-padding-64 w3-center w3-opacity w3-light-grey w3-
xlarge">
```

```
<i class="fa fa-facebook-official w3-hover-opacity"></i>
<i class="fa fa-instagram w3-hover-opacity"></i>
<i class="fa fa-snapchat w3-hover-opacity"></i>
<i class="fa fa-pinterest-p w3-hover-opacity"></i>
<i class="fa fa-twitter w3-hover-opacity"></i>
<i class="fa fa-linkedin w3-hover-opacity"></i>
<p class="w3-medium">Powered by <a
href="https://www.w3schools.com/w3css/default.asp"
target="_blank">www.acropolis.in</a></p>
</footer>

<script>
// Automatic Slideshow - change image every 4 seconds
var myIndex = 0;
carousel();

function carousel() {
var i;
var x = document.getElementsByClassName("mySlides");
for (i = 0; i < x.length; i++) {
x[i].style.display = "none";
}
myIndex++;
if (myIndex > x.length) {myIndex = 1}
x[myIndex-1].style.display = "block";
setTimeout(carousel, 4000);
}

// Used to toggle the menu on small screens when clicking on the menu button
function myFunction() {
var x = document.getElementById("navDemo");
if (x.className.indexOf("w3-show") == -1) {
x.className += " w3-show";
} else {
x.className = x.className.replace(" w3-show", "");
}
}

// When the user clicks anywhere outside of the modal, close it
var modal = document.getElementById('ticketModal');
window.onclick = function(event) {
if (event.target == modal) {
modal.style.display = "none";
}
}
</script>

</body>
</html>
```