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FARMER'S FRIEND

MINIPROJECT REPORT

Submitted by
VIMALAN.B [171CS310]

[19] ▶

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BANNARI AMMAN INSTITUTE OF TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

SATHYAMANGALAM-638401

OCTOBER 2018

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NOVEMBER 2016

BONAFIDE CERTIFICATE

Certified that this project report ♦“FARMERS FRIEND” ♦♦is the Bonafide work of B.VIMALAN♦”^[19]♦♦who carried out the mini project work under my supervision.

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♦Submitted for Viva Voice examination held on

INTERNAL EXAMINER

EXTERNAL EXAMINER

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ABSTRACT

Farmer's friend is an html based application for farmers to know which season is better for which crop and what soils are used for crops these are clearly known in this webpage. In this webpage admin can view the user's queries if any user sends the query to the admin and admin sends the solution to the user♦. In existing, the farmers don't have enough knowledge on rainfall, market price in the proposed system the user sends a query to the admin and getting solutions from the admin, the user should know which season is better for which crop and many other details.

It is a web-based open discussion portal providing information and solutions about crops, fertilizers, soil, and climate to small farmers and agricultural students.

This webpage is developed mainly to create awareness among the people live in city.

In this web page database is connected to the Google spreadsheet which collects information from the webpage and shows it to the admin which helps farmer by getting their doubts cleared. Various new facility is been added to this webpage and user can easily access the information provided. The information provided here is verified and it contains every important data.

CHAPTER-2

♦ INTRODUCTION

The Farmers Friend is a portal that maintains the rainfall records, seed availability records, fertilizer details, animal husbandry department records and diseases details. On the other end the admin can also view the queries of the farmers and the public in spreadsheet.

Through this web application the farmers, and other users can access all information with a single platform and avoids the time to wait in government offices. This web application is also connected with many government portals for getting much more information.

This web application will cover many farmers and beginners by providing many information which is collected and stored in this webpage. The purpose of project is entitled as “FARMERS FRIEND” IS TO develop an applications which is user friendly, simple, fast, and cost effective. It deals with the collection of queries and other details. Keeping the farmers satisfaction as utmost priority, the query system will increase the communication between the user and admin. This is the best way to manage the farmer's information and to answer their queries on time.

♦ CHAPTER-3

PROJECT DESCRIPTION

3.1 PROJECT PERSPECTIVE:

Government offices are less in number which leads to queues if there is any schemes announced and many people are not aware the news and missing their opportunity. In today's world farmers are not given importance and not treated properly in government offices. They should be treated properly and good service should be provided. Government is seeking this type of solution which can meet these expectations. Managing data related to every department of agriculture like this can be helpful to handle special cases. Until now managing the forms and documents require manual intervention along with an agricultural field operator's assistance.

- This web application contains documents related to animal husbandry for downloading and easily accessed**
- And this contains the data of the reservoirs which is updated periodically.**
- And contains rainfall info which is also updated daily.**
- And a separate column is added for feedback and queries which is connected to Google form and the data is stored in Google drive.**
- This system helps the farmer to gather many knowledge.**
- Price details for fertilizers and pesticides is also given in this page.**

3.2 DATABASE INFORMATION:

The queries of farmer is collected using a form created using Html and Google, this information is saved in spreadsheet. Admin can see the queries and give response to the queries asked by the user. This is the main part of this page which brings a good communication between the user and admin.

3.3 PROJECT OBJECTIVE:

This webpage comprised of Html, CSS codes. The aim of this page is to provided information and data of different categories. This will be useful for the formers and beginners to farming of this time period. We made many different attributes in this webpage. This webpage help the admin to check the feedbacks/queries asked by the users in this webpage and they can clarify the doubts they have. The main intention of this application is to save farmers time. Farmers can download the documents related to diseases which attack the cattle.

3.4 PROJECT SCOPE:

^{[30]▶} The main scope of this application is to provide knowledge about many different category and to provide a platform to farmers to clarify their queries and they can be aware of every programme announced by the government. And to be updated with the rainfall details and reservoir details.

CHAPTER-4

SYSTEM REQUIREMENTS

4.1 HARDWARE REQUIREMENTS:

Processor	:	2.5 GHz
Hare Disk	:	20 GB
RAM	:	2 GB

4.2 SOFTWARE REQUIREMENTS:

Operating Systems	:	Windows 7
Front End	:	Html, CSS
Platform	:	Notepad, Notepad++, Sublime Text.

FRONT END:

The languages used for the development of “Farmers Friend” is:

- Html(Hypertext markup language)
- CSS(Cascading style sheet)

Html:

^[24]▶ **Hypertext Markup Language, a standardized system for tagging text files to achieve font, colour of webpage, graphics of web page, and hyperlink effects on World Wide Web pages.** Used to create the documents on World Wide Web. Also HTML is similar to SGML. HTML defines the structure, style and layout of a Web document by using a variety of tags and attributes.^[26]▶ **The text is then saved as html file, and viewed through a browser, like Internet Explorer, Google chrome and Firefox.**

CSS:

^[1]▶ **Cascading style sheets are used to format the layout of Webpages.**^[1]▶ **They can be used for defining text styles, table sizes, and other aspects of Web pages that previously could only be defined in page's HTML.**^[1]▶ **Once the style is defined in cascading style sheet, it can be used for any page that references the CSS file.** Adding CSS gives a better look for the page and reduces the work for the developer.^[1]▶ **CSS makes it easy to change styles across several pages at once.**^[1]▶ **CSS gives Web developers more exact control over how Web pages will look than HTML does.**

♦TAGS AND LINKS USED:

Doctype:

The ^[2]!DOCTYPE html declaration is used to inform the website visitor's browser that this document is being rendered is an HTML document.

Paragraph Tag:

^[10]The p ♦♦ tag offers a way to structure your text into different paragraph

Line Break Tag:

^[16]Whenever you use the ♦ br / element, anything following it starts from the next line. ^[10]This tag is an example of an ♦empty element, where we do not need to open and to close tags, as there is nothing to go in between them.

Content align:

^[10]You can use ♦ center tag to put any content in the center of the page or any table cell.

Header:

The ♦header♦♦ element is used to identify content that precedes the primary content of the web page and often contains website branding, navigation elements, search forms.

Text area:

The ♦textarea♦♦ element is used for creating a text input area of unlimited length.

Title:

The `title` element is a required HTML element used to assign a title to an HTML document.

Marquee:

The `marquee` element is used to identify text that should move across a defined section of a webpage in horizontal or vertical direction.

Table:

The `table` element is used for conjunction with child elements such as `tr` , `td` , `th` , and others to add tabular data to a HTML document.

Bold:

[`` 2 8 ``] **Text surrounded by `` tags is displayed with a bold typeface.**

Body:

The `body` element contains the entire content of the webpage.

Button:

•♦The `button` element is used to create an HTML button. Any text appearing in the opening and closing of tags will appear as text on the button.

•♦No action takes place in default when a button is clicked.

CHAPTER-5

ANALYSIS AND SYSTEM DESIGN

5.1 EXISTING SYSTEM:

A common scenario in front of government offices is people standing in long queues .These people cannot do any other activity until they are served. Especially farmers are affected by this more, it is better to develop a portal which contain every services for a farmer to develop their farmland. And they can clarify their queries in this web application. The documents added to this web application can be downloaded and printed easily.

5.2 PROPOSED SYSTEM:

In proposed system the disadvantages of existing method can be handled efficiently by connecting a server and a database. The modules involved to this system are:

Admin Module:

- 1. Including documents**
- 2. Updating the information**

Farmer Module:

- 1. Document download**
- 2. Viewing market prices**
- 3. Filling forms**
- 4. Access to government portals**
- 5. Queries**

CHAPTER-6

IMPLEMENTATION

6.1 SOURCE CODE:

NAVIGATION BAR:

```
div class="w3-top"

div class="w3-bar w3-theme-d2 w3-right-align"
  a class="w3-bar-item w3-button w3-hide-medium w3-hide-large w3-right
w3-hover-white w3-theme-d2" href="javascript:void(0);" onclick="openNav()" i
class="fa fa-bars" /i /a
  a href="#team" class="w3-bar-item w3-button w3-hide-small
w3-hover-white" INDIA /a
  a href="#work" class="w3-bar-item w3-button w3-hide-small
w3-hover-white" Work /a
  a href="#pricing" class="w3-bar-item w3-button w3-hide-small
w3-hover-white" Offer /a
  a href="#contact" class="w3-bar-item w3-button w3-hide-small
w3-hover-white" Queries & Feedback /a
  a href="gallery.html" target="_blank" class="w3-bar-item
w3-button" Gallery /a
  a href="animal husbandry.html" target="_blank" class="w3-bar-item
w3-button" Animal Husbandry /a
  div class="w3-dropdown-hover w3-hide-small"
    button class="w3-button" title="Notifications" More Options i class="fa
fa-caret-down" /i /button
```


DROPDOWN DATAS:

h3 State Wise Data: /h3

div class="btn-group"

div class="w3-dropdown-hover w3-hide-small"

**button class="w3-button" title="Notifications" TAMILNADU i
class="fa fa-caret-down" /i /button**

div class="w3-dropdown-content w3-card-4 w3-bar-block"

**a href="http://122.15.179.102/ARS/home/rainfall"
target="_blank" class="w3-bar-item w3-button" Rainfall Info /a**

**a href="http://122.15.179.102/seed_private/public_seed"
target="_blank" class="w3-bar-item w3-button" Seed Availability /a**

**a href="http://122.15.179.102/ARS/fert_stock_position/index/en"
target="_blank" class="w3-bar-item w3-button" Fertilizer Details /a**

**a href="http://tnagrisnet.tn.gov.in/ARS/home/reservoir"
target="_blank" class="w3-bar-item w3-button" Reservoir Details /a**

**a href="http://www.aed.tn.gov.in/"
target="_blank" class="w3-bar-item w3-button" Agri Department /a**

/div

/div

CSS FOR HOME PAGE:

```
a  
{  
color:#4285f4;  
cursor:pointer;  
text-decoration-style: monospace;  
}  
body  
{  
font-family:'GoogleSans',arial,sans-serif;  
font-size:14px;  
line-height:1.4286;  
margin:0px  
}  
.icon  
{  
height:10px;  
width:10px  
}  
.menu-item  
{
```

display:inline-block;

CODE FOR OFFER BOX:

```
div class="w3-row-padding w3-center w3-padding-64" id="pricing"
```

```
h2 PRICING /h2
```

```
p Choose a pricing plan that fits your needs. /p br
```

```
div class="w3-third w3-margin-bottom"
```

```
ul class="w3-ul w3-border w3-hover-shadow"
```

```
li class="w3-theme"
```

```
p class="w3-xlarge" Pesticides /p
```

```
/li
```

```
li class="w3-padding-16" b 10 l glycel /b /li
```

```
li class="w3-padding-16" b 5 l nutrient /b /li
```

```
li class="w3-padding-16" b 1 l protein /b /li
```

```
li class="w3-padding-16" b Offer /b /li
```

```
li class="w3-padding-16"
```

```
h2 class="w3-wide" i class="fa fa-rupee" /i 1000 /h2
```

```
span class="w3-opacity" /span
```

```
/li
```

```
/ul
```

```
/div
```

CODE FOR QUERY FORM:

```
formaction="https://docs.google.com/forms/d/e/1FAIpQLScU-4Nqg-5
ke_nAvprgQbeJQlsh7lt8oE_aqX7qjSvyeaseSw/formResponse"
target="_self" method="POST"
  div class="w3-section"
    p b Queries And Feedback: /b /p
    label Name /label
    input class="w3-input" type="text" name="entry.563713303"
    [11] required
  /div
  div class="w3-section"
    label Email /label
    input class="w3-input" type="text" name="entry.845216773"
    required
  /div
  div class="w3-section"
    p FEEDBACK AND QUERIES: /p
    textarea name="entry.1771023885" style="float: left;" rows="5"
    cols="25" /textarea    br    input type="radio"
    name="entry.888999635" value="Good" checked Good br
```

```

☐
Average  

☐ Bad  


☒
label REPLY SOON /label
 /button
form action="/action_page.php"



19

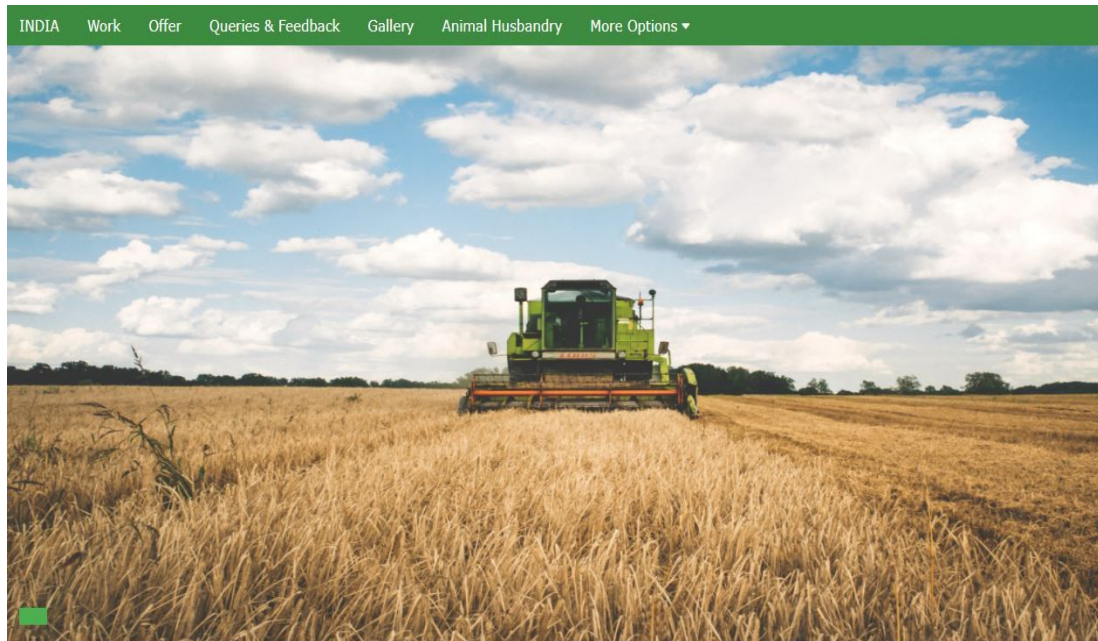

```

CHAPTER-7

EXPERIMENTAL RESULTS

7.1 SCREENSHOTS:

Homepage:

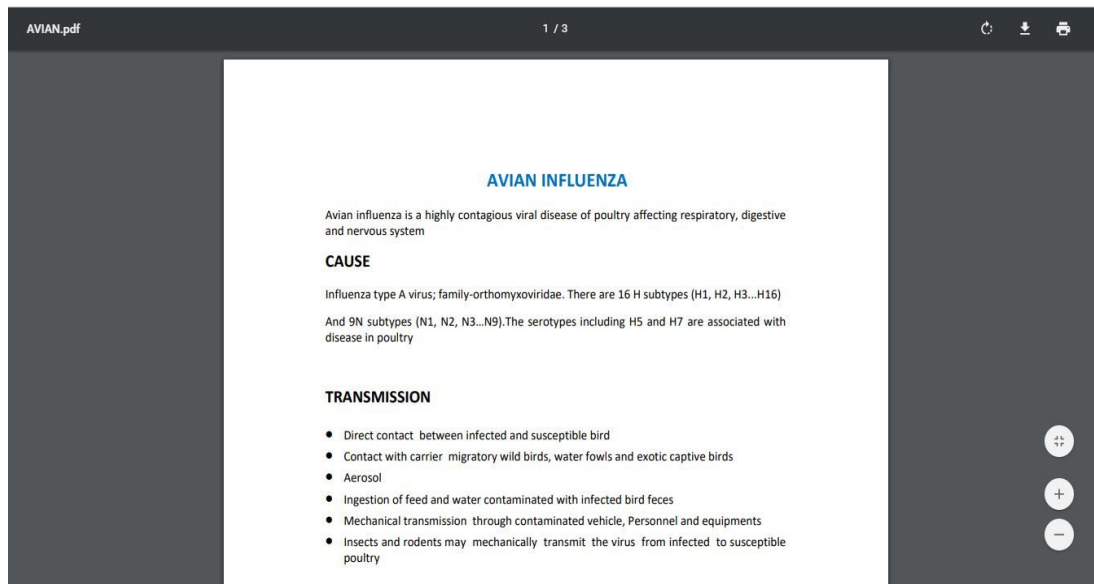


DROPDOWN FOR DETAILS:

State Wise Data:

TAMILNADU ▼	PONDYCHERY ▼	FERTILIZERS▼
-------------	--------------	--------------

DOCUMENTS:



ANIMAL HUSBANDRY:

DEPARTMENT OF ANIMAL HUSBANDRY

[Jallikattu](#)

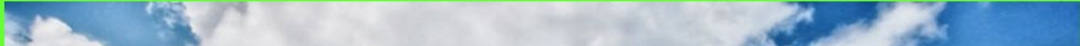
[Diseases](#)

[Hospitals](#)

cation for the Post of TEMPORARY VETERINARY ASSISTANT SURGEONS IN THE VETERINARY INSTITUTIONS OF ANIMAL HUSBANDRY DEPARTMENT

Overview

Animal husbandry contributes significantly in supplementing the income of small, marginal farmers and landless labourers and in generating gainful employment opportunities especially self-employment to a substantial number of rural and urban population many of whom are women who play a major role in the care and management of livestock. It serves as a vital source for providing nutritious protein rich balanced food in the form of milk, egg, meat and value added products. Moreover, they are also intricately associated with the social, cultural and traditional values of the region.



QUERY FORM:

Name

Email

GIVE YOUR VALUABLE COMMENTS

☒ **Good**
☐ **Average**
☐ **Bad**

☒ **I Love It!**

Send

SAMPLE RESPONSES:

Feedback Form (Responses) ☆

File Edit View Insert Format Data Tools Form Add-ons Help

Working...

SHARE

Timestamp	Name	Email						
10/14/2018 17:45:01	sasikumar	sak@gmail.com	kk	Good				
10/14/2018 18:20:17	Vimalan Baskar	vimalan.cs17@bitsathy.ac.in	good	Bad				
10/14/2018 18:23:26	Vimalan	vmlnkalai@gmail.com	Good Try	Good				
10/14/2018 18:24:15	Vimalan	vmlnkalai@gmail.com	Good Try	Good				
10/14/2018 18:24:39	Vimalan	vmlnkalai@gmail.com	Good Try	Good				
10/14/2018 18:31:09	siva dhoni	siva.cs17@bitsathy.ac.in	well it is good and thank u	Good				
10/15/2018 14:16:16	vikash	vikashkumar.cs17@bitsathy.ac.in	bad page	Good				
10/15/2018 15:02:02	Vimalan Baskar	vimalan.cs17@bitsathy.ac.in	GOOD	Average				

CHAPTER-8

CONCLUSION AND FEATURE WORK

This webpage is completely free and Accessed by everyone. Every pdf documents here are verified content and developed by understanding the problems and difficulties. Government portal can be accessed from this page. Give better interface to the farmers. Better way is added for communication. The queries added by the farmers is stored in spreadsheet. And can be accessed any time. By sharing this page with the public we can make good awareness about agriculture. Connecting spreadsheet to this saves time helps the admin to keep the data safe and it can be handled from anywhere. Government can also follow this idea for providing good service to farmers. This type of web page can increase job opportunity for agriculturists and graduates. Document can be updated frequently for more convenience. In future connecting veterinary hospital records and datas will be helpful for farmers and researchers. And connecting the doctors information can be helpful for maintaining the livestocks. Adding information about the hardware shops will be helpful for buying hardwares and equipments .

♦REFERENCES

- 1. W3schools-for tags.**
- 2. Central government portal for agriculture.**
- 3. Tamil Nadu and Government portal for agriculture.**
- 4. Justdial for the rates and shops.**
- 5. YOUTUBE for home page references.**