

## “A Paper on: Agro Cart”

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**Abstract**— Agro Cart is a Python based website which is a shopping website for the agricultural products. The website provides three basic categories namely Fertilizers, Handmade Equipment and Tools. This eases the purchasing process. Here the users can also sign-up in this website. The Offer Price along with the MRP of the products is mentioned in the shopping section. Moreover, the user can add the products of their choice to the cart.

**Index Terms**— Agro, Shopping, Fertilizers, Tools, Handmade Equipment, Python, Offer Price, MRP, Cart.

### I. INTRODUCTION

Agro Industry refers to development of agricultural along industry lines. It provides the way of transforming raw agricultural materials into value added products. This industry gives income and employment to most of the countrymen in our country. And, it contributes to the overall economic development in both developed and developing countries.

Fertilizers are the organic or inorganic substances which can be natural or artificial, provides one or more chemical elements required for the plant growth. Carbon, Oxygen and Hydrogen are directly supplied by air and water and thus these are not counted as the nutrients by the fertilizers industry. The fertilizers mainly like Ammonia, Urea are energy demanding in their operation.

The primary goal of fertilizer's industry is to ensure the supply of primary and secondary nutrients in the desired amount. In our country, the fertilizer industry is the most energy intensive sectors according to the context of environmental discussions.

Thus the Agro Cart website the farmers to purchase the most required nutrients for their plants at reasonable prices and with very ease.

### II. PREVIOUS WORK

- **AgroConnect-Kheti Badi Kisan:**  
AgroConnect –Kheti Badi Kisan is an Android Application in which the user can know the views of around 20,000 agricultural experts. The main topics which are covered under the app are: Zero Budget Farming and Natural Farming. Moreover, it also forecasts the weather condition

of next 5 days. Thus, this application helps the farmers in many ways.

In addition to all these, these application also displays the cost the of various seeds along with the places where those seeds can be found.

### III. PROBLEM IDENTIFICATION

In the existing AgroConnect mobile application, the user can only see have the rough idea of the costs of the seeds. They do not have the features like online shopping of those seeds and fertilizers.

In the application, Agro Cart we have included the feature of online shopping of the fertilizers as well as the tools and equipment required by the farmers for the purpose of farming which is not present in the AgroConnect application. As well as the users of this website can add their interest of products to the cart and can purchase whenever they want.

### IV. METHODOLOGY

In the website Agro Cart, the main theme is to allow the users or farmers to purchase the farming products online at their fingertip.

The website includes the following modules:

- 1) **Categories:** It contains three shopping categories which are:
  - Fertilizers
  - Handmade Equipment
  - Tools
- 2) **Contact:** It displays its location on the Google Maps. And the information such as Mobile Number, website information and the address is also mentioned here.
- 3) **Information:** The basic information is displayed here about the Government Schemes and about the fertilizers.

Thus, the user can purchase items according to their choice of categories.

- 4) **Soil Health:** Here, in this module the Soil Health is described briefly. Also, the farmers advice upon the health of the soil is being mentioned which can help the user in an efficient manner.
- 5) **Weather Status:** The weather status let the user know that in which weather condition which type of crops they can grow. The caring of the soil according to the climate is along being discussed.

The effect of temperature on crops and effect of rainfall on the crops are shown with the weather and crop reports.

- 6) **Login:** The existing user can login to the website through this Login panel and can go ahead for the shopping purpose of the products.
- 7) **Sign-Up:** The new users of this website can sign-up here for continuing further within the website so that they can purchase product of their demand very easily.

## V. RESULT & ANALYSIS

Agro Cart is a Python based website which helps the users mainly the farmers to purchase the fertilizers and the tools and equipment for the farming purpose.

Moreover, the website also displays the Weather Status according to which the farmers can grow the right type of crops at the right time i.e. at the right weather conditions.

It also have the Login and Sign-Up mechanism through which the user can become the member of the site.

Also, it shows the Offer Price along with the MRP of the farming products which lets the user to purchase their product of interest at very reasonable prices.

### SNAPSHOTS:

- a) **Home Page:**  
The following is the Home Page of the Agro Cart website. This displays the modules such as: Products, Information, Soil Health, Weather Status, Login, Sign-Up and Cart.  
It also displays the products which are being sold.

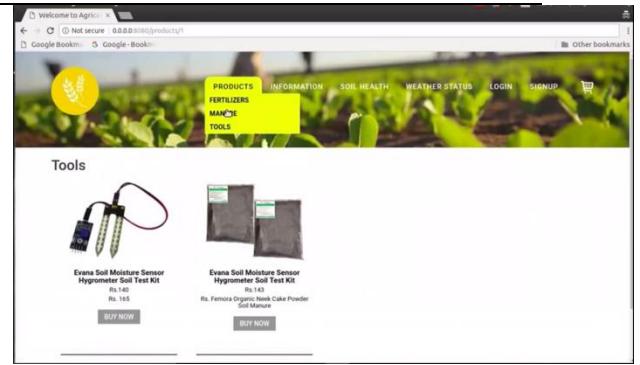


Figure: 1. Home Page

- b) **Parks Categories:**  
This is the snapshot of the categories which includes: Fertilizers, Handmade Equipment and Tools.

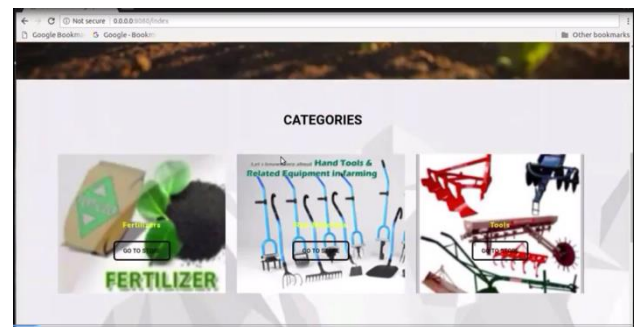


Figure: 2. Categories

- c) **Product :**  
This is the snapshot of one of the product displaying its Offer Price and the MRP along with its description and the details of the product.

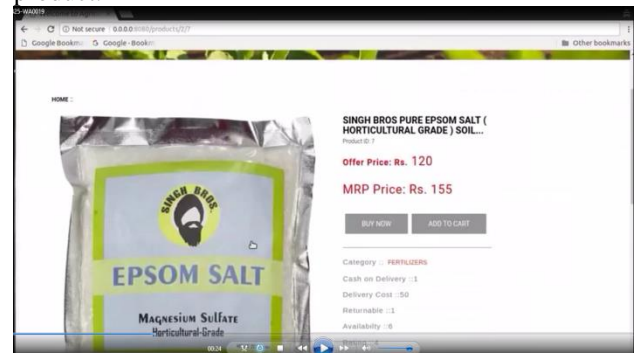


Figure: 3. Product

- d) **Weather Report:**  
The following is a screenshot in which the weather status is being shown. It displays the

weather report of the March month of the year 2018.

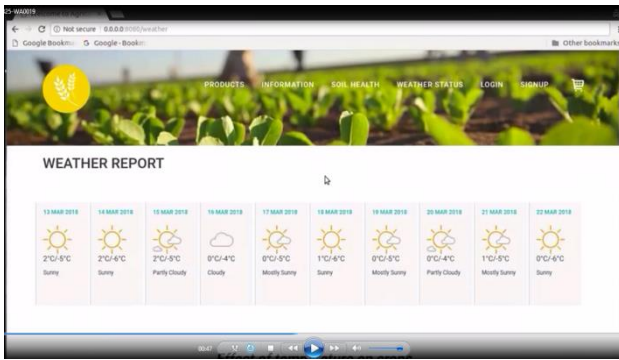


Figure: 5. Energy Park

e) **Contact:**

The following snapshot displays the contact information of the website.

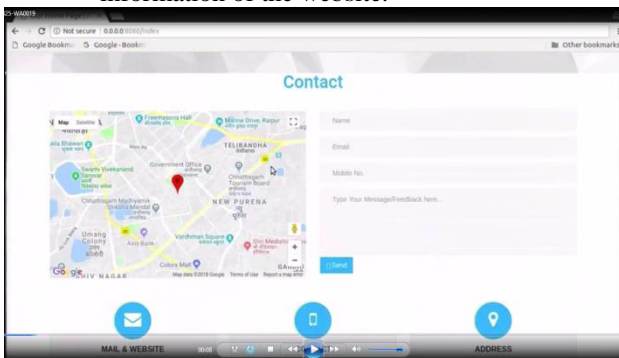


Figure: 5. Contact

## VI. DISCUSSION AND CONCLUSION

The Chhattisgarh Excursion application displays all the information required by the users and farmers to grow their crops and to increase their agriculture.

The objective of the project was to provide the users with a website through which they purchase the products related to the agriculture.

The project is therefore concluded to be the following:

- Easy to Access.
- Easy to Handle.
- Easy Communication.
- User friendly.

## VII. FUTURE SCOPE

At present the website contains limited number of products to be sold. But, in future this application can be broadened for each and every farming products so that the user can find everything within this website only.

## VIII. REFERENCES

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