**Velagapudi Ramakrishna Siddhartha Engineering CollegeDepartment of Information Technology**

Class: 3rdYear Section: B Year: 2020-2021

**AGRO KISAN APP DEVELOPMENT**

**Motivation:**

COVID-19 has made us all dependent on digital technology. But the primary sector is left behind. The problems faced by farmers are never ending and they need as much help as possible. Nowadays all the people including farmers are using smart phones. So, this app will be very much helpful to them.

**Problem Description:**

Farmers are facing problems in agriculture in almost every step like good quality of seeds, manures, Fertilizers which are out of reach for the majority of farmers. Weather conditions effecting their crops and the major problem is due to the absence of sound marketing facilities, farmers have to depend upon local traders for the disposal of their farm produce which is sold at very low price. In order to meet his commitments and pay his debt, the farmer is forced to sell the produce at whatever price is offered to him.

**Social Benefits:**

* Increased productivity for farmers.
* Profitable for both customers and farmers.
* Buying and selling will become easier.

**Innovation and Uniqueness:**

This is a platform to find the farm products, their Information and for asking queries. This App will be available in main languages of India. There is no such app with all these specifications. The front-end uses JavaScript for its graphical user interfaces, while back-end uses database to manage its data. Data retrieval and update will be done using embedded SQL queries.

**Feasible Solution:**

The App provides all the information like the prices, where they are available, whether they are suitable for soil or not and information like weather forecasting, climatic changes and which crops can be grown in specific season. Each crop’s minimum support price, crop details, government schemes for the farmer’s welfare, farmer and customer’s contact information will be provided. Farmers can contact experts for any suggestions and it acts as platform between farmers, experts and customer. The farmer can communicate directly with the customer and experts. The App gives alert to farmers about any sudden weather changes. Customers can find the crops around them with GPS.

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