Real-Time Assistance To Farmers And Health Sector

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Abstract- *Now a days farmers are facing lots of problems. So in our project we have been working on this issue. When farmers are hopeless in finding solution at some certain cases our application will help them. So we solve this problem by creating an android application. So we want to create this app and this app helps people. So we provide a guide that farmers wants in agricultural fields. We create a device and this device helps farmers to this problem. We built this product on android studio. So this product help the user, at what time which pesticides and what fertilizers should be used. And this is a basic thing that we found in agricultural sector, and this will solve through our project.*

Keywords- java ,android studio, php,html.

I. INTRODUCTION

In this project we are going to use java and android. Through this project we made farmer's problem easily solved. In this project we made an app which is helping agricultural sector and farmers. People who use android app can access this app. This application can guide about marketing, in which soil what type of fertilizers can give more production, and which pesticides should be used to kill insects and worms which are growing in your farm.

II. LITERATURE REVIEW

1. Alongside HTML and CSS, Java is one of the core language used to design this app. The vast majority of websites use it for client-side page behavior, and all major web browsers have a dedicated JavaScript engine to execute it. Global Positioning System allows applications to obtain the current location of the device. Apart from direct uses of the location in applications (e.g., maps).
2. SQL Server is a relational database management system(RDBMS)developed and marketed by Microsoft. As a database server, the primary function of the SQL Server is to store and retrieve data used by other applications.
3. A one-time password (OTP), also known as one-time pin or dynamic password, is a password that is valid for only one login session or transaction, on a computer system or other digital device.
4. The Java Class Library is the standard library, developed to support application development in Java. It is controlled bySunMicrosystems in cooperation with other java community program.

III. STUDY AND FINDINGS

1. Preparatory system study is the first stage of system development life cycle. This is a brief investigation of the system under consideration and gives a clear picture of what actually the physical system is designed? The detailed investigation of the system is carried out in accordance with the objectives of the proposed system. In practice, the initial system study involves the preparation of a system proposal which lists the Problem Definition, Objectives of the Study, and Terms of reference for Study, Limitations, Expected benefits of the new systems.
2. Inexpensive smartphones equipped with various sensors are opening new opportunities for rural farmers who previously had limited access to up-to-date agricultural information (e.g., market, weather, and crop disease news) and assistance from agricultural experts and government extension workers. The System is to be developed for any user it can be farmer or a student who wants to use it. We want our system user friendly and easy to use.
3. It is a partially measurement of specific technical solution and the availability of technical resorts and expertise. The analyst must find out whether the current technical resources, which are available on the server is capable of handling the customer.
4. Admin is an entity that will be in charge of entire system. Admin must have the permission. Admin have all rights to perform any type of given access, to the given user because they will have highest level of access the rights. Admin have under observation of some areas like database, security, integration and management, etcetera.
5. One of the best uses of farmers assistant in project is, whenever the farmers or agricultural student are they can get the required information regarding soil, pesticides, seeds, etcetera, so they can find details according to their requirements and use it in their fields to cure the crops and by providing good quality of seeds guides they can improve in their crop production.

6. The minimum memory hardware requirement to run this application is of 2 GB RAM or more, Google maps, Accelerometers, images or videos from built-in cameras.

IV. FUTURE ENHANCEMENT

1. In future, we suppose to sell fertilizers on our app.
2. In addition, we like to add online seeds having good quality and certified.
3. Exploration of Unused Sensors. There are many built-in sensors in smartphones which have yet to be explored in the context of agriculture. Physical sensors, for example, barometer and humidity sensor, can be rather easily extended to the agricultural field by performing their original intended functions of environmental sensing

V. CONCLUSION

This paper presented the state-of-the-art survey of the research literature in how smartphone sensors have been used in agriculture, without the needs for external sensors. This will help uneducated farmers learn new thing using this app, we this this app will be helpful in future learning and knowing new this through this app.

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