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Portal For Farmers To Sell Their Products At Better Rate

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Abstract: ***A Portal farmers application gives an idea to the farmers how to use to Portal farmers sell their products. Farmers will get all the new ideas to improve their productivity and they can buy and sell their products online. If the farmers have knowledge of computer then they can directly register in the site and sell their product otherwise they can contact company's computer professional who will schedule classes to teach them basics of computers and internet. They can know how they can open this site and register with it and sell their products online etc. portal farmers is a project developed to build a website which will help farmers from to sell their products to different cities through online. Farmers can use this facility and can learn how it is possible and how they can use a portal farmersto sell their products.***

Keywords—Portal,Farmers,Customers,Productivity,Computer knowledge,Online ,Sell,Buy

1. INTRODUCTION

During the nationwide lockdown imposed since MARCH 25 to control the spread of COVID-19 pandemic ,poor planning left farmers in a lurch even as their crops were ready for harvest but transport and markets were closed .There should be a solution for this problem to eradicate or to minimize it. We have come up with the software solutions for this problem and with which most of the mediating cost can be reduced and also the farmers can get more benefited as the market for them becomes online and vast. We are developing a web and mobile portal for the end customers and the farmers to buy and sell their products respectively. The portal will be available in web and mobile for end customers and a web portal will be available for farmers. The farmers can use this portal to sell the products and to fix the price for each product. The end customers can use the app to order the product online and get delivered with proper organic farmer produced product at doorstep without any mediating cost and the cost which the customer paying will be directly benefited to the farmers.

2. LITERATURE SURVEY

3.

A. Manish Mahant, Abhishek Shukla, Sunil Dixit, Dileshwer Patel, (2012)

The application of Information and Communication Technology (ICT) in agriculture is increasingly important. E-Agriculture involves the conceptualization, design, development, evaluation and application of innovative ways to use information and communication technologies (ICT) in rural domain, with a primary focus on agriculture. Information and Communication Technology (ICT) can play a significant role in maintaining properties of information as it consists of three main technologies. These technologies are applied for processing, exchanging and managing data, information and knowledge.

B. Ugwuishiwu C.H., Udanor C.N., Ugwuishiwu B.O., (2012)

This paper proposes an Agro-Information System that enables a farmer to have relevant information about a crop, such as the varieties and other requirements like soil type, temperature, type and quantity of fertilizer, time of planting, time of maturity, planting distance, diseases, pest, pest and Disease control measures, rainfall, sunshine, etc. of that crop. The level of application of this information determines the volume and efficiency of the crop yield. AIS software is designed and implemented which helps the farmer achieve the afore-mentioned objectives.

C. SHANMUGAPRIYA M, DR.TAMILARASI A, (2013)

Mobile Devices are pervasive in nature and supports ubiquitous learning environment. In this article the designing and developing a mobile courseware for ICT students using problem-based learning approach is discussed. The courseware is designed to evaluate the feasibility of adopting the problem- based learning pedagogies in a mobile learning environment for ICT students. A case study is built for Java Programming and the courseware is implemented on the M-learning framework designed. The mlearning framework is developed using service-oriented architecture. The design and delivery of learning objects for the mobile learning is being depicted in the PBL environment.

D. P. Benda, Z. HavlíCek, V. Lohr, M. Havranek, (2011)

As a result of technological progress ICT (Information and Communication Technologies) has created the so-called „digital divide". Some people are unable to individually respond to this progress, but the proper use of ICT can help them overcome this handicap. One of the possibilities is to create accessible and usable applications depending on the character and level of disability. In accordance with the European CertiAgri project, e-learning tools are used for integrating people with disabilities into the horticultural area. The paper specifically describes examples of simple teaching aids from the practical „green care" course, which focus on the skills of people with mental disabilities.

E. Davorin Turkalj, (2012)

By means of quantitative and qualitative research the doctoral dissertation has attained methodical insights into competences and usage levels of new technologies for marketing purposes in agri-businesses in the Republic of Croatia. This is, of course, the average result intended to generate information on the profile of an ICT-competent family farm business, which does not exclude good examples outside this average profile. The hypothesis proposed in the dissertation was that the agricultural sector has a great potential, with ample room for improvement achievable through benefits brought about by information and communication technologies. This hypothesis was confirmed by the analysis of secondary data and the results of primary research. Substantiating the stated hypothesis can be highlighted as the original scientific contribution of the doctoral dissertation.

2. PROPOSED SYSTEM

System that provides farmers an interface to sell their produce and connect with the buyers all over India .Simple interface that works on mobile, SMS to upload produce details and respond via phone and SMS (taking care of digital divide) Interface for anyone to buy the produce/vegetable initially visit the place and buy or have courier service integrated to deliver the vegetables Farmers can get a better price for their produce, no additional cost spent in marketing and delivery of goods , however they can choose to charge more by delivering the items themselves

3.HARDWARE REQUIREMENTS

A.System-Intel corei3

Developed and manufactured by Intel, the Core i3 is a dual-core computer processor, available for use in both desktop and laptop computers. The Core i3 processor is available in multiple speeds, ranging from 1.30 GHz up to 3.50 GHz, and features either 3 MB or 4 MB of cache**.**

B.Hard Disk

A hard drive is the hardware component that stores all of your digital content. Your documents, pictures, music, videos, programs, application preferences, and operating system represent digital content stored on a hard drive. Hard drives can be external or internal. It is a chip that will be used to establish communication between a microcontroller and smart phone.500 GB is enough for our project

C.Monitor

A computer monitor is an output device that displays information in pictorial form. A monitor usually comprises the visual display, circuitry, casing, and power supply. 14'colour monitor is enough

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D.Ram

The data stored in RAM can be accessed almost instantly regardless of where in memory it is stored, so it's very fast milliseconds fast. RAM has a very fast path to the computer's CPU, or central processing unit, the brain of the computer that does most of the work. 4GB is sufficient

4.SOFTWARE SPECIFICATION

A.Operating system

An Operating System (OS) is an interface between a computer user and computer hardware. An operating system is a software which performs all the basic tasks like file management, memory management, process management, handling input and output, and controlling peripheral devices such as disk drives and printers.Windows 7 is sufficient for our work.

B.Coding language

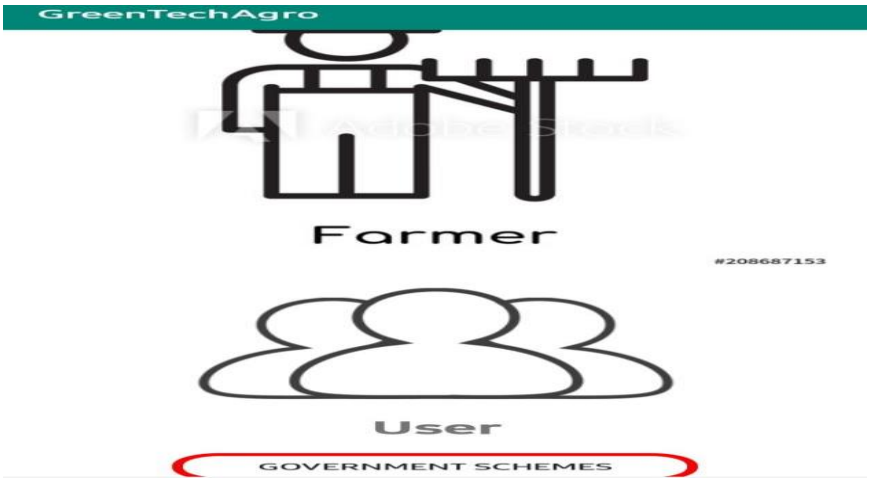
XML,JAVA Languages are used for our project.XML for frame work used in Android studio.Java for implementation of front end

C.Database

My SQL Lite is used for our database .It work at the back end to collect data and store the data in Amazon free cloud.

5. EXPERIMENTAL RESULT

We will create an Android app that is our output of our project



Green-tech Agro has been designed and developed according to the current requirements of a farmer. The benefit expected from this project is that it could increase the digital communication between customer and the farmer. Green-tech Agro is also designed in such a way that administrator manages the details of customer, farmer, product and sub products. Customer receives the mail regarding their order once that is confirmed.

7.FUTURE ENHANCEMENT

Green-tech Agro can be enhanced according to the future needs. This project can be enhanced by using interactive Google maps for order tracking module to track the locations. The dashboard can be enlarged with more modules. Application can also be developed in order to be more efficient.

8.Acknowledgment

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