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Website that provides Farming Related Information

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Abstract - *Internet has changed the way we relate with our environment in general. Website, being a part of it is a collection of information correspondingly. People can easily manage to access these when required .The aim of our project is to make a website that provides information to farmers about news related to agriculture, current farming trends and about the crop diseases possible in specific crops and*

their control measures and provide information regarding other sources out there that help in farming .Making use of google translator in our website people can read the content in their own language. In this way by using technology we are trying to provide a platform for framers to find out new concepts and new ways fellow farmers are using.

***Key Words*: Farming, News, Crop Disease, Trends, Translator.**

1.1 INTRODUCTION

Agriculture is the main occupation of about 62% of the people in Andhra Pradesh**,** taking a vital part in its economy. Its alliance with technology brought a major change. Agriculture started thousands of years ago.

The development of farming gave rise to Agriculture. Farming being a part of agriculture means growing crops or keeping animals by people for food or any raw materials and domestication probably started in the fertile cesatent.

Iraq, Syria, Turkey and Egypt contains the area called Fertile Crescent. Agriculture is started by people slowly by planting a few crops, but still gathered many foods from the wild. Farming might have started by people because of weather and soil changes. Farming can feed many people than hunter gatherers can feed on the same amount of land.

1.1 Use of Technology in agriculture

Agriculture doesn't only provide our nourishment for our daily intake but also an income source of each single nation that exists on this planet, where most manufacturing industries still as well as businesses are obessed on it. Without giving importance to agriculture , any country will be politically and economically unstable.

Things are changed and brought modern technology into the field of agriculture. Since ancient times people are engaged in some sort of agricultural technology used in planting, collecting. But unfortunately technological tools utilized by them don't seem to be so adequate to obtain best results . As time changed improved technological tools stared to present a better results than previous tools. For example tractors were used in the field as a replacement on the old plowing devices which saved a lot of time and increased the efficient way of sowing seeds. With this instance we are able to say that the usage of man power was being reduced and therefore that to be done manually was now done by machines.

1.2 Technologies can be used

As said above agriculture along with technology brought a major change, few of the technologies that are in agriculture are as few examples listed below as of, Monitoring of Climate Conditions, Greenhouse Automation, Crop Management, Cattle Monitoring and Management.

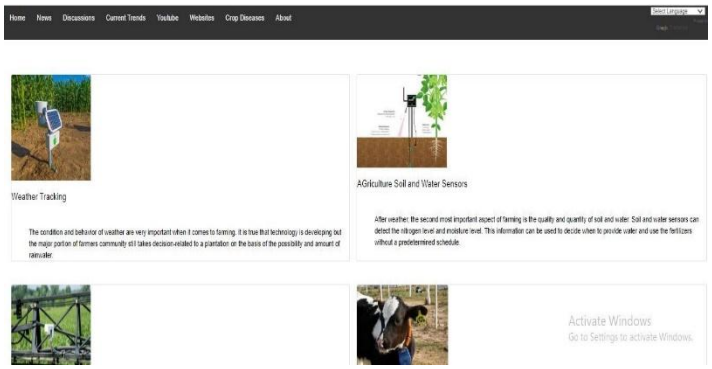

Fig -1: Technologies mentioned in website

2. LITERATURE SURVEY

We found few similar websites that provide agriculture related news and the websites like agriculture today, agri-news etc., and found that these websites are purely working on a single usage base i.e., they provide news alone with no other related content .These websites are mostly found in English and not in regional language which we are trying to make possible in our work. In these ways the website we are working is different from the websites that are already present that are working upon

only a single cause that may or may not be useful to everyone.

2.1 Trends information in e-agriculture

Information technology encouraging the stake holders is very useful in adopting automation in business process. Some of the advancements that are made use in farming are scouting crops, harvesting, data management tracebility etc.

Applications of information technology in agriculture is seen a successful development .With this its is seen that all of the IT related applications in farming are seem to be pretty helpful including soil preparation, planting, irrigation, management pest, until harvest.

Even include Decision support system, Sensor, data inventory, GIS, expert systems. Next to these applications IT plays a key role in case of E-Commerce.

E commerce in agriculture acting as an important concept that had a bought a notifiable changes in the farming. Even this kind of IT technology in farming made a imapct in the farming. Through this farmers can get their agriculture related equipments or stuff easily.

Information technology gives an opportunity to change the agricultural practices from traditional agriculture to modern agriculture. Usage of IT from beginning to end would result in better results.

2.2 Agricultural Information

One of the objective of this paper is to give information regarding the need and importance of the information in agriculture. As information is needed to proceed forward in any aspect it has a important role in agriculture. Here the Users and stake holders of agricultural information are stated and problems during information organization and dissemination are seen through.

As discussed above information plays a major role in any aspect and the user community varies greatly with their diversified need User community includes teachers, scientists, research scholars, in one hand as well as progressive, small and marginal farmers, local shopkeeper(dealers of fertilizer, pesticides etc.), vegetable sellers in local market, persons engaged in nursery, bee keeping ,cattle &poultry farming etc. on other hand. Agricultural stake holders include MNC, corporate sectors and banking.

Agriculture with its vast information played significant role in development. It is essential to handle and organize this information with care. In decision stage by employing intelligence, design the framework selecting best alternative take feed back after trial run if implemented successfully. Information required in every stage specially when data become insufficient choose alternative sources of Information.

2.3 Semantic web technology in farming

Semantic web was coined by Tim Bernes-Lee deals with the aim to bring meaning and structure to the information described in web pages. Through the review in this case the statement considered to be true is that agriculture would be one of the best domain well suited for the adoption of this semantic web theory or usage.

Semantic web technologies are not so popular in agriculture because of projects in private sector are often not published in academic literature.

2.4 Survey on Technical farming

Smartphones are very effective tools for increasing in the present scenario that play a key role in any applications growth. Web or mobile applications are helps in understanding the information related to any part of agriculture or further like incase case of agriculture weather forecast in regional language. From traditional to technical Farming these provides tool for farmers with all the information about land, crops management etc, that can make a profit by growing a particular crop on their land, to increase productivity by proper use of Fertilizers. TTF, is one such application that can bridge the gap and it helps to provide the farming community with better information to take a step further.

3. WORKING

Fig -2: Initial page

To obtain the above said result need to gather the information related to agriculture as news and take care such that people who are participating in the discussions should be with the basic knowledge and don't guide farmers through malicious activities.

Activities like, transferring their money to others bank account. Need to attain the farming related news up to date and find the information from the trusted sources and not to share wrong news and to gather reliable information regarding the control measures of diseases.

4. CONCLUSION

In addition to the work we have done we like to extend by trying to add logins so, that users can get better experience during their usage. We would like to further include information about livestock that may be helpful to farmers along with the information regarding farming we are providing.

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