The Functioning of Cloud Computing in Agriculture sector

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Abstract- *Many people in India live in its villages. The rural people mainly depend on agriculture. The primary origin income of India is agriculture. So the information and communications technology (ICT) is mainly focused on the agriculture area. These days technology used is very common in every field including agriculture. ICT has seen extreme role in daily life of formers. The technology of cloud computing is more use in agriculture sector has good future in the development of India. The cloud computing is very exposed in present IT industry. In This paper explained cloud computing is used in agriculture different ways so the India economy is increase because of increase agriculture economy.*

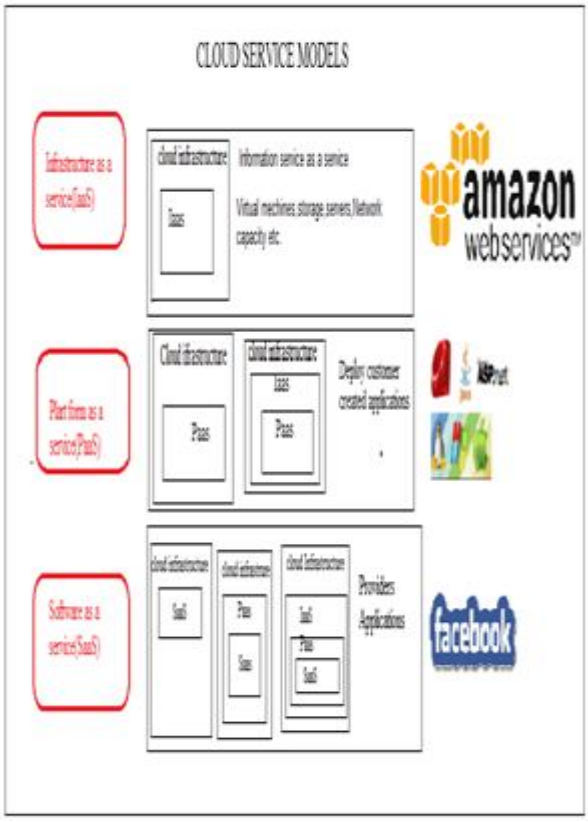
Keywords- Cloud computing, agriculture economy.

I. INTRODUCTION

In present trend, Internet is essential for the life. So the technology is increasing quickly. The quality of computing increases the storage space requirements also increases. Solve these all problems use one technology that is cloud computing.

II. CLOUD COMPUTING FRAMEWORK

We talk about clouds it is network or internet. This is started at remote locations. Clouds can supply services over network that is private or public networks, i.e. LAN, VPN or WAN. Some applications are run in cloud computing for example E-Mail, web conferencing etc. the term cloud computing is refers to storing, manipulating, forming and accessing the Internet. Four types of clouds that is public cloud, private cloud, community cloud and hybrid cloud. The basic cloud service models are Infrastructure as a Service (IaaS), Plat form as a service (PaaS) and Software as a service (Saas). Infrastructure as a service (Iaas) provides to access primary resources such as physical machines, virtual machines, processing power, storage and networks. For example are amazon services. Software as a Service (SaaS) is gives entire business applications dispatched over the web. So customer uses directly the software for example Facebook. Platform as a Service implement a stable online environment where customer can immediately create, test and deploy web applications using browser-based software development mechanism for e.g., Google App Engine.

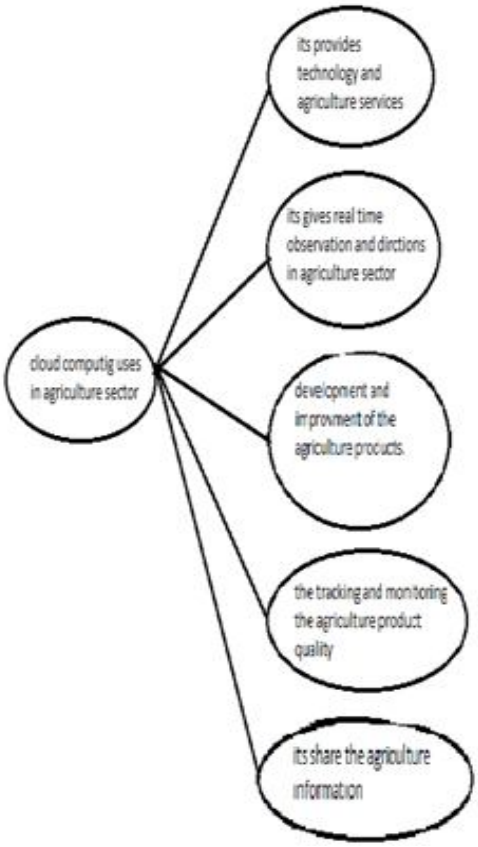


III. RELATION BETWEEN TECHNOLOGY AND AGRICULTURE

In agriculture is very important part in daily life. The technology is very useful for agriculture these days all fields are depends on technology include agriculture. The former improve crop cultivation used information technology. Information technology in agriculture use two ways passive use and active use. Passive use means indirect relation with farm. For example Passive use of technology in agriculture is livelihood technology in that agriculture technology, medical technology...Etc. it is pass to rural population in that Farming community, unemployment …etc. these stored use IT in that Artificial intelligence, cloud computing, image processing, Internet and communication ,data mining…etc. Active use means direct relation with farm. Active use of technology in agriculture is seeds development, soil development, weather forecasting...Etc. so improve Indian economy in agriculture using technology is very important.

IV. RELATIONSHIP BETWEEN AGRICULTURE AND CLOUD COMPUTING

In real time access the farmers and researchers in agriculture sector full satisfy for agriculture information its reduce operating cost and essentially increase the increase the effectiveness of information haring. The cloud computing technology present in agriculture very useful it is check whether forecasting, soil development, seed development, crop growth and expose water and fertilizer content in soil these all information received from the cloud platform original processing can automatically cause corresponding improvement measures. In digital agriculture play role technology is cloud computing offer advanced information technology services and visualizing expression, controlling, design and management of all the agriculture involving entity and the whole process. The cloud computing technology is good platform the researchers and farmer. The cloud computing areas promote the knowledge transfer and interchange between agriculture enterprises and farmers. It is important implication for building and improving agriculture product supply chain. The cloud computing area is monitoring agriculture product quality. This technology combined all extent that is raw material approach, preparation and processing, storage and transportation, marketing and administration etc.



Cloud computing uses in agriculture

V. ASSETS OF CLOUD COMPUTING

- Cloud computing data will be managed by professionals. It is organized very security of management of data
- The users access there recourse from any time any place from mobiles or laptops etc.
- Cloud computing is very trust worthy for users
- Cloud computing is create the ideas from different users mush faster easier and cheaper with secured.
- In India big problem is people are migration. It can be reduced that fleeing means it is helpful for reduce unemployment in every state.
- Cloud computing is very stimulate the farmers and researchers in this area they get more information will be result oriented
- provides service providers Reduce the man power, agriculture requirements and information about services
- Cloud computing is a big ocean so the consumer want to buy what they want according to they need.
- It is very consuming low cost so all users are using very easy.

VI. CONCLUSION

In many areas the cloud computing is very helpful including agriculture. The cloud supply many profit to user. In our country the agriculture many people livelihood so they mostly depends on agriculture. The cloud is very useful for agriculture and research people it is very cheaper and security.

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