



Information Technology use in agriculture

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Abstract

Two major trends that have an effect on our planet: increase and urbanization. The anticipated increase for the primary one and half this century is discouraging. Betting on the estimate, there'll be nine to ten billion individuals by mid-century. This population is simply beneath seven billion that means that there'll be a couple of fifty percentage increases from the start to the centre of this century. One could dialogue the relative accuracy of explicit models, however all of them agree that there'll be several, more mouths to enclose the approaching decades. IT has reworked several different aspects of human endeavour and has helped produce systems for responding to a good varies of social group wants. Indeed, transportation, communication, national security, and health systems square measure utterly dependent thereon to perform even basic functions. However, data, and its automatic technological embodiment, has not compact agriculture to identical level.



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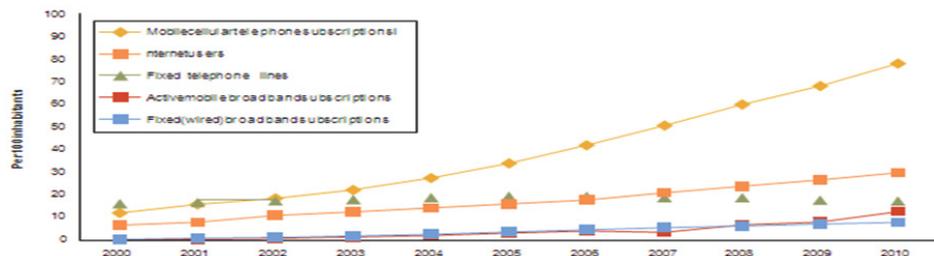
Keywords

Information technology, ICT, Agribusiness, Agricultural breakthroughs, cognitive process.

The Importance of Agriculture

Agriculture is a main source for the survival of human begin. In agriculture field, plants are more important because these plants are used to produce several food grain and through by products such as cereals, powers, organic products without food the life cycle would not possible

Agriculture products export to other country and the farmer brings income through agriculture products. This food is an important part of human beings in day to day life. Time to time the agriculture produces or farmer changes their methods of production with the help of information technology.

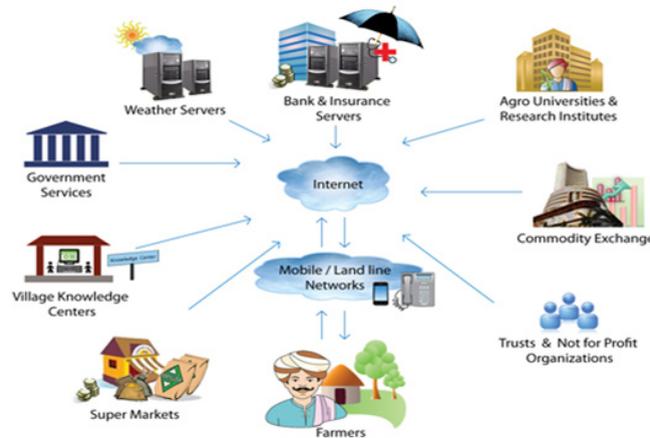


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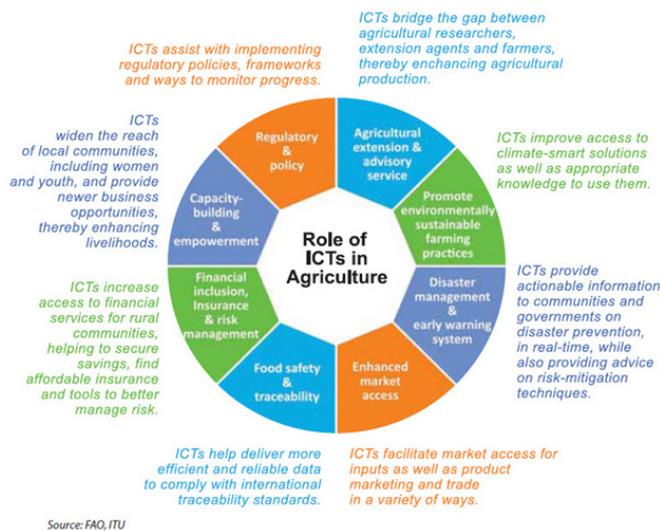
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Role of IT in Agriculture

Information technology is an important platform for people from all over the world. Agriculture is manual art for the farmer which is given from generation to generation. Manual art likes techniques and secrets of the farming.

Crops have their own differences and atmosphere plays a main role on their developments. But new technology brings a huge change in production and farming. Information technology. Farmers must aware of information technology through IT. They can produce large production of food grain. Through IT they can aware of serving bank & insurance services, government programs super market etc.



The Effects of IT on Agriculture

IT has created its method into the agricultural sector, and with positive results. to call some, here square measure a number of its effects:

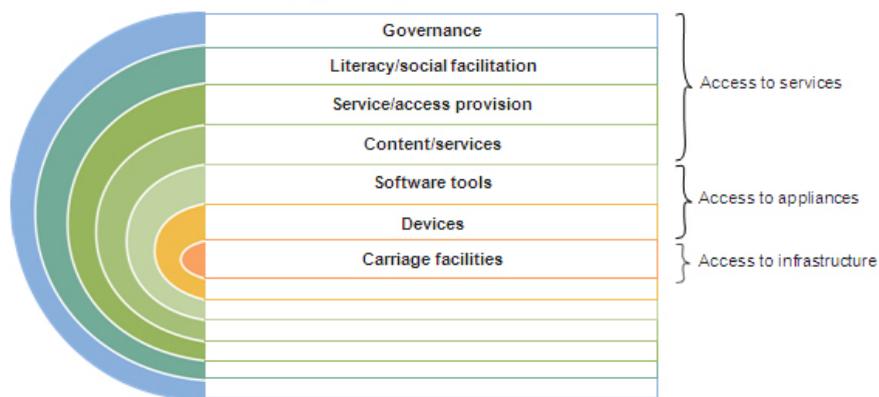
- Improved higher cognitive process
- Better coming up with
- Community involvement
- Agricultural breakthroughs
- Agriculture for everybody

ASPECT	UNIVERSAL ACCESS	UNIVERSAL SERVICE
Availability	Focused coverage Public access (e.g., at a pay phone or telecenter) Free emergency calls	Blanket coverage Private service on demand Free emergency calls
Accessibility	Walking distance, convenient locations and hours Inclusively designed premises (e.g., for wheelchair users);inclusively designed terminals or available assistance (e.g., for the blind or deaf) Assistance from an attendant Adequate quality of service(e.g.,having	Simple and speedy subscription Inclusively designed terminals and services (e.g., for blind or deaf people) Assistance through the terminal (e.g., by making calls or viewing help pages for the web) Reasonable quality of service (e.g., having few dropped few failed call attempts) calls)
Affordability	Options of cash and card payment Options of cash and card payment Payment peruse(e.g.,for a single call or message or an hour of Internet access)	Cost of average monthly usage is a small percentage of monthly GNI percapita Options of cash, card, and electronic payment Flat rate, bundles of services or low monthly subscription fee

Improved deciding

By having the mandatory info, farmers—big and tiny will build higher and a lot of educated call regarding their agricultural activities. might or not

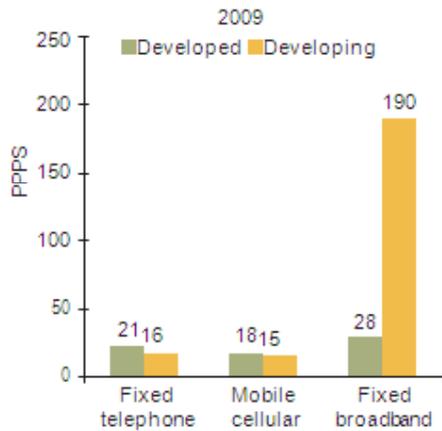
it's concerning The exchange of information from all over the world additionally helps farmers be a lot of tuned in to factors to think about before creating their choices.



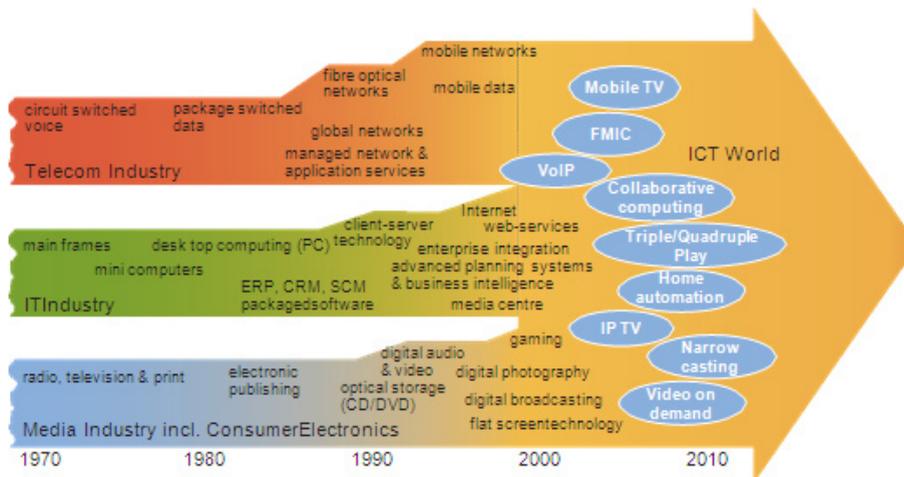
Better coming up with

information technology in agriculture thanks to approach back up with farming code which may keep higher track of crops, predict yields, once to best plant and what to plant, to intercrop or specialise in only one product, or confirm this would like of

the crops—just concerning everything required to boost production and financial gain. By adjusting to the trendy farming methodologies, farmers will have higher management of their crops. Gaining info from their farm is crucial in sustaining its success and supply more growth.



ICT Price Sub baskets by Level of Development



Community involvement

There square measure many programs that square measure created attainable by information technology helps. once a community adopts trendy strategies for agriculture, the assembly of native merchandise are often augmented. There square measure some places wherever folks greatly have the benefit will result in higher financial gain for everybody concerned.

Ict Applications For Smallholder Inclusion In Agribusiness Supply Chains

Information technology in small holder supply chains result show below.

Examples of Value Chains, Their Participants, and the Value Added Along the Chain

Yam value chain, Ghana



Kaja Apple value chain, Pakistan



Cocoa value chain, Ivory Coast



Conclusion

Farmers have to know the importance of information technology for farming and identify the terms of frequency and impact on the production. Sources

of Internet, E-mail are the least preferred methods of information technology as farmers are not aware about these sources.

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