

ROLE OF ICT IN COMMUNITY OUTREACH AND SUPPORT SERVICES

Jayanti Goyal*

ABSTRACT

Information Technology (IT) could be a terribly promising sector of the Indian economy likewise as alternative dimensions of social development. This paper reviews many roles of knowledge communication technology within the development of varied fields of India's economy. India lacks behind the foremost as so much as ICT is bothered. Data and Communication technology trade has brought revolution in India. Government agencies square measure providing the use of Information and Communication Technologies (ICT) like E-governance. It helps in enhancing the effectiveness and potency of state and alters its relationship with the general public. E-Commerce refers to purchasing, selling, selling and mating over the web and alternative networks. E-Commerce in India is simply charming off with the beginning of Railway and on-line Air bookings and web banking. Thus it's potential to boost the semi-permanent growth prospects through increased productivity in nearly every sector of the Indian economy. Data and communications technologies (ICTs) have created folks round the world additional connected. ICTs are useful to develop teaching and learning through varied on-line platforms additionally to social activities. ICTs are taken into account as a very important tool within the struggle against the economic condition, illiteracy and social development. It may be a powerful tool to develop rural India. Secondary knowledge from educational articles with attention on India square measure accustomed analyze the contribution of ICTs within the development of varied fields.

KEYWORDS: *ICT, Indian Economy, Economic Development, E-learning, E-commerce.*

Introduction

The planet is choked with technology within the recent era. We tend to travel through vehicles, aeroplanes. Homes square measure being adorned with varied good devices like cars, air-conditions, area coolers and heaters. Movies square measure choked with technology adventures. folks square measure communication with the planet through varied devices like mobile phones, e-mails and totally different chatting apps. The world isn't to date from people's approach, as they will comprehend the problems occurring around them through newspapers, news channels, or social media. The technological explosion in communication could be a boon. Thus it's a priority to prepare method in an exceedingly democratic manner on the premise of full awareness of the social impact of various alternatives. The preparation of technological impact serves may be a useful gizmo to assess the results for designs relevancy for unfortunate sectors of society, cultural influence, effects on employment pattern and similar factors.

This is notably necessary whereas creating decisions with relation to the event of communication infrastructures. Educated communities around the whole India square measure underneath increasing pressure to use new data communication technology to show students the competencies and skills they have within the twenty-first century. ICT may be used properly to boost teaching and learning additionally to affecting staff opportunities. In developing countries to supply technically skilled and economical student's faculties should be equipped with laptop facilities and qualified academics square measure necessary related to technology-assisted instruction (Burnett, 1994

* Research Scholar, Department of Computer Science, RTU, Kota, Rajasthan, India.

and Fitzgerald and Warner, 1996). ICTs are a strong tool to develop rural India today. Rural entrepreneurs are benefited as a result of ICTs provides a wider base for policymaking and facilitate to boost contact to marketers or offer chains so creating risk additional sure. ICTs have increased bottom-up participation within the governance observe and should develop the reach and availableness of state service and public infrastructure. there's nice diversity in native conditions in rural India and therefore the native desires are extremely specific. Now ICTs are getting successive revolution.

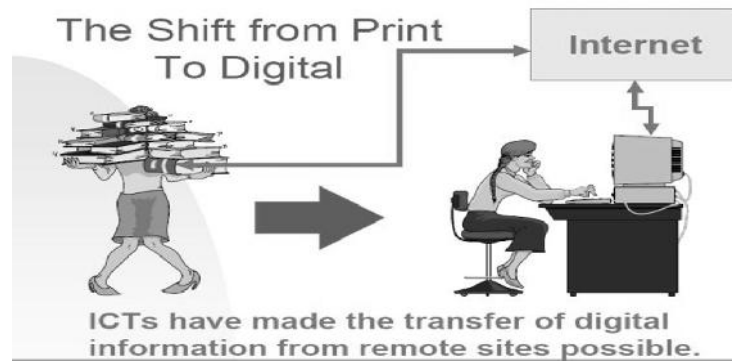


Fig. 1

The recent developments in new ways that to capture, store, process, and transport and show data are having a profound impact on the approach the societies are organized. These capabilities are reliable, cheap and gift immense potential for networking and sharing of knowledge in digital type across national and international boundaries.

Objectives of Study

The target of this paper is to explore prospects for the usage of ICT to spot the positive role of ICT in varied fields in India.

Methodology

This paper relies on secondary knowledge received from varied sources.

Role of ICT in Varied Fields

Technology is growing exponentially each year. Moore's Law says that laptop performance doubles every eighteen years per Intel's video review of Gordon Moore's 1965 prediction. we tend to currently have self-driving cars. Tesla goes to launch flying cars next! Data technology and electronic commerce contain a nice impact on education and learning, commerce, workplace, business models, labour market, education, market structure, personal life and society as an entire. Electronic commerce over the web could be a new approach to conducting business. Varied giant sectors like communications, finance and retail trade square measure already affected and going grow into varied areas like education, learning and health services.

ICT saves time conjointly. Message is conveyed by travelling within the past years. Today we will send data throughout the planet in a few seconds. High-speed web access has broken multiple barriers and helped bring the planet nearer, serving to foster higher communication ties, mediation, economic and political relations and therefore the like. ICT provides larger freedom to the corporations to find their business accomplishments, making larger competition between varied regions in infrastructure, labour, capital etc. This infrastructure may additionally offer the means that for effecting period transactions and create intermediaries like sales clerks, stockbrokers and travel agents, whose operate is to produce a vital data link between patrons and sellers, redundant. The impact of knowledge technology on the firms' value structure may be best illustrated on the electronic commerce example.

The key areas of value reduction once concluding a buying deal via electronic commerce instead of in an exceedingly ancient store involve physical institution, order placement and execution, client support, staffing, inventory carrying, and distribution. Though maintaining an e-commerce web site may be high-priced, it's definitely less costly to keep up such a front than a physical one as a result of it's continually open, may be accessed by millions around the globe, and has few variable prices, in order that it will proportion to satisfy the demand.

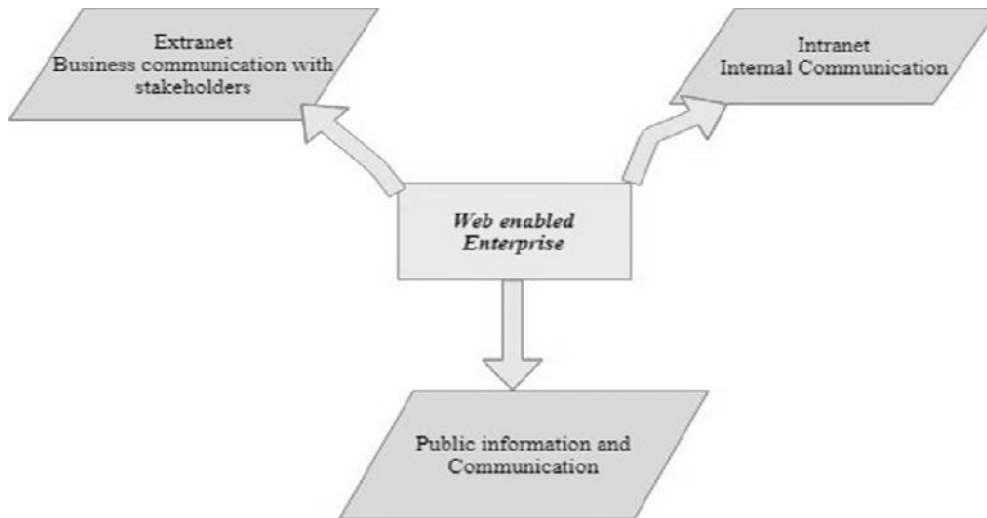


Fig. 2

By maintaining one 'store' rather than many, duplicate inventory prices square measure eliminated. Additionally, e-commerce is extremely effective at reducing the prices of attracting new customers, as a result of advertising is usually cheaper than for alternative media and additional targeted. Moreover, the electronic interface permits e-commerce merchants to see that Associate in Nursing order is internally consistent which the order, receipt, and invoice match with the web, e-commerce is chop-chop increasing into a fast-moving, open-world market. The open and world nature of e-commerce is probably going to extend the market size and alter the market structure, each in terms of the amount and size of players and therefore the approach during which players contend in international markets.

The digitized product will cross the border in real time, shoppers will 24*7, 365 a days and corporations are progressively sweet-faced with the international on-line competition. Computers and communication technologies permit people to speak with each other in ways that complementary to ancient face-to-face, telephonic, and written modes. They permit cooperative work involving distributed communities of actors who rarely, if ever, meet physically. These technologies utilize communication infrastructures that are each world and continually up, so sanction 24-hour activity and asynchronous likewise as synchronous interactions among people, groups, and organizations. Social interaction in organizations is going to be suffering from the utilization of computers and communication technologies. Peer-to-peer relations across department lines are going to be increased through the sharing of knowledge and coordination of activities.

Jobs are created and destroyed by technology, trade and structure amendment. These processes conjointly underlie changes within the talent composition of employment. on the far side cyber web employment gains or losses caused by these factors, it's apparent that employees with totally different talent levels are going to be affected otherwise. folks have accessibility to their jobs through on-line internetworking. They can accomplish all their official tasks at their homes or anyplace apart from their offices. This can mechanically increase the productivity of their company. Many job opportunities are offered conjointly been recognized like knowledge programming, analysis, internet application planning etc. a giant chunk of the population is availing these opportunities and taking this as a supply of earning. E-commerce is driving the demand for IT professionals however it conjointly needs IT to experience to be let alone robust business application skills, thereby generating demand for versatile, multi-skilled men. there's a growing would like for increased integration of web front-end applications with enterprise operations, applications and back-end databases.

Advances in data technology can affect the craft of teaching by complementing instead of eliminating ancient room instruction. so the effective educator acts in an exceeding mixture of roles. The demand for education and coaching issues the total vary of recent technology. data technologies are unambiguously capable of providing ways that to satisfy this demand. Online coaching via the web ranges from accessing self-study courses to finish electronic school rooms. These computer-based coaching programmes offer flexibility in skills acquisition and are cheaper and relevant than additional

ancient seminars and courses. Presently, students have opportunities to be told on-line and acquire the education. Different instructional sites are offered, together with data associated with one's interest. You'll conjointly apply on-line for admissions in national or international universities. ICT has given wings to students, educators and allied workers in an exceeding multitude of how. The software in faculties has facilitate them to uplift their communities through the utilization of technology connected activities within the world of education. they are doing this by implementing ICT to make positive outcomes for his or her most visible of stakeholders – their students. Nowadays, once faculties are progressively remodeling themselves into good faculties, the importance of instructional technology conjointly will increase.



Fig. 3

In the health sector patients are becoming on-line appointments for his or her checkups. On-line reports are offered for diagnostic procedures performed. This all helps to produce a high quality of care across the region. Different media teams are operating round the globe. They're diffusive all kinds of news associated with health, economic and social problems. It's several seconds to unfold news on the planet. ICT could be a mean of recreation for us together with YouTube, on-line movies and dramas. Chatting, video career, causation and receiving text messages; of these are the blessings of knowledge Technology. It's been ended that data Technology has several positive aspects, relying upon its usage. If we tend to use it fittingly, it's extraordinarily helpful for us.

But its overuse might produce issues. Therefore, instead of trifling on social media, we will pay now learning the utilization of IT. "Excess of everything is unhealthy." With the onset of the "internet era" and therefore the availableness and accessibility to web surfboarding or rather, "high-speed data", the dynamics nowadays has modified drastically – each at the domestic likewise because of the international level. The online world, be it for the shoppers, businesses, technocrats, or a typical man, has created life abundant easier for everyone in all them.

Simply to cite several examples that throw light-weight on the advantages because of the web such as on-line searching, access to unlimited data, the availability of recent knowledge in terms of stories or knowledge-based general data, etc. Even though most social media sites like Facebook, Instagram, Twitter, WhatsApp promote and create efforts to safeguard privacy.

Conclusion

India is thought everywhere the planet and is that the most inhabited growing country within the world. ICTs hold nice promise to boost teaching and learning additionally to social activities. ICTs represent one in all the foremost powerful tools within the struggle against the economic condition, illiteracy and social development. It may be a powerful tool to develop rural India. there's little question that academics and students in faculties in India can have unbelievable resources offered if they need access to the web. By desegregation ICT into the college program, an elementary shift within the approach teacher lesson and students learn are going to be evolved. Our education system has adversely been suffering from high value, weak infrastructure, lack of human skills, lack of relevant computer code etc. the continuing computing and the communications revolution have various economic and social impacts on fashionable society, as so much because the high-quality access is bothered there's a brand new technology arising, particularly the M (Mobile). ICT is manufacturing a significant amendment in each the content and therefore the processes of learning. ICTs provide immense potential for his or her use in instructional management.

References

- ~ European Commission, Making a European Area of Lifelong Learning a Reality, COM Brussels, Commission of European Communities, 2001, p. 9
- ~ Moore, M.M., Tait, A., Open and Distance Learning – Trends, Policy and Strategy Considerations, UNESCO Division of Higher Education, Paris 2002, (p. 88).
- ~ Mulvenna M. D., Anand S. S., Buchner A. G. (2000), Personalization on the Net using Web mining, Association for Computing Machinery. Communications of the ACM. New York. Vol. 43, Iss.8; pg. 122
- ~ Greer T. H., Murtaza M. B. (2003), Web personalization: The impact of perceived innovation characteristics on the intention to use personalization, The Journal of Computer Information Systems. Stillwater: Spring 2003. Vol.43, Iss.3; pg. 50
- ~ Walsham. G, (2011), "ICTs Broader Development of India: An Analyse of the Literature" Published paper.
- ~ C.Dean (2003), "Technology based training and on-line learning: An overview of authoring systems and learning management system available in UK", *Online+Available: <http://www.peak.co.uk/Authoritysystem.pdf>.
- ~ Fitzgerald. G; and Warner.J (1996). The Use of Computer to Support Cognitive Behavioral Interventions for Students with Behavioural Disorders. Journal Of Computing In Childhood Education. 7,127-48.
- ~ Georgouli, K, Skalkidis, I., Guerreiro, P, (2008). "A Framework For Adoption LMS To Introduce E-Learning In A Traditional Course", Educational Tech nology And Society, 11(2), PP. 227-240.
- ~ Poole. G. A. (1996). A New Gulf In American Education, The Digital Divide, New York Times
- ~ Georgouli. K, Skalkidis I, Guerreiro, P, "A Framework for Adoption LMS to Introduce e-Learning in a traditional course", Educational Technology and Society, 11 (2), PP. 227-240, 2008.
- ~ Thierer. A (2000) . Divided Over The Digital Divide, Washington, Dc: Heritage Foundation.
- ~ Shavinina, L. V (2001). A new generation of educational multimedia: High intellectual and creative educational multimedia technologies. In L.R Vandervert, L.V Shavinina and R.A. Cornell (Eds), Cyber education: The future of Distance Learning, Larchmont, NY: Mary Ann Liebert, Inc, 63-82.
- ~ Thomas.R.M (1987). Computer technology: An example of decision-making in technology transfer. In R.M Thomas and V.N Kobayashi (Eds), Educational Technology: Its creation, development and cross-Cutlural transfer, Oxford: Pergamon Press, 25-34.
- ~ Anand A, (2011), "ICT tools allow teachers, students to communicate anytime"
- ~ Roy,L; and Raitt,D; (2003), " The Impact of IT on Indigenous people, The Electronic Library ",Vol.21. No.5.
- ~ Kumar,k. & Sharma, J.(2010). Library and Information Science Education in India: A Historical Perspective. DESIDOC Journal of Library and Information Technology, 30(5), 3-8.
- ~ Annual Report 2010 of the Department of Information and Technology, Ministry of information and communication Technology
- ~ B. Ahmad Khan and K. Usha(2013), International Journal of Educational Research and Technology, Need of Information and Communication Technology in India , Volume 4 [1] March 2013: 13 – 17
- ~ Impact of ICT in Library and Society - lisbdnet.com
- ~ <http://www.lisbdnet.com/impact-of-ict-in-library-and-society/>
- ~ <http://www.rijsenbrij.net/archive1/progx/eng/chapter3.htm>.

