



Significance of Communication Network and Information Technology

Munjure Mowla*

Department of Computer Sciences, Rajshahi University of Engineering and Technology, Dhaka, Bangladesh

DESCRIPTION

Information and Communication Technologies (ICTs) is a broader term for Information Technology (IT), which refers to all communication technologies, including the internet, wireless networks, cell phones, computers, software, middleware, video-conferencing, social networking, and other media operations and services.

The field of communication involves the transmission of information from one place to another place or storing information for after recovery. A communication system is a brace of stations – a transmitter station and a receiver station. Communication networks are collections of entering and transmitting stations that may bear information from one station to another by means of other stations acting as relays. There are numerous factors in the process of transmitting information in a communication system. One element is information representation in minimum form, which is data compression. An alternate aspect of communication is modulation; the process whereby information is intrigued into waveforms suitable for propagation. A third aspect is error control coding; the system by which errors made in entering information can be corrected. The performance of a communication system is generally measured in terms of the probability of erroneously decoding the information or the deformation between the original information-bearing signal and the reconstruction, and the energy used. In communication networks there are numerous factors demanded in the processing of transferring information from one station to another through a set of intermediate stations.

Information technology is used in companies to apply communication. Network (intranet and internet) and dispatch play a vital part in the organisational communication internally as well as externally. Moment, organisational communication has been developed through exchanges and Voice Over Internet Protocol (VOIP) and telephones. Force operation systems will

allow organisations to track stocks and spark an order of spare stock when the figures drop below defined volume. Companies connect the force operation system to their Point-of-Trade (POS) systems to gain maximum effectiveness.

SIGNIFICANCE

Communication networks give the backbone of smart grids conveying information from client measures and outfit throughout the distribution system back to the mileage. Depending on the dispatches systems being used, these data may be concentrated and/or bear four or five times before they reach the mileage. The significance of communication networks started since internet and intranet technology constantly evolving and stoners looking for increasingly sophisticated services, communication networks must be suitable to support an adding number of new bias and data, voice, and video operations.

Information technology helps to make and grow the commerce and business sector and induce maximum possible affair. The time taken by different sectors to induce business is now minimised with advancement in Information technology. It provides electronic security, storage, and effective communication.

Information and communication technologies (ICT) play a significant part in all aspects of modern society. ICT have changed the way in which we communicate with each other, how we find demanded information, work, conduct business, interact with government agencies, and how we manage our social lives. Timely and effective delivery of products and services. Advanced deals through better understanding of client behaviours. Cost savings from smaller staff hours and reduced human or machine error. Better resource planning through detailed, accurate, and timely financial information.

Correspondence to: Munjure Mowla, Department of Computer Sciences, Rajshahi University of Engineering & Technology, Dhaka, Bangladesh, E-mail: rimonecemm@gmail.com

Received: 04-Jan-2022, Manuscript No. SIEC-22-234; **Editor assigned:** 06-Jan-2022, PreQC No. SIEC-22-234(PQ); **Reviewed:** 20-Jan-2022, QC No SIEC-22-234; **Revised:** 25-Jan-2022, Manuscript No. SIEC-22-234(R); **Published:** 31-Jan-2022, DOI:10.35248/2090-4908.22.11.234.

Citation: Mowla M (2022) Significance of Communication Network and Information Technology. Int J Swarm Evol Comput. 11:234.

Copyright: © 2022 Mowla M. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.