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A FUNDAMENTAL FRAMEWORK FOR D-COMMERCE RELATED BUSINESSES

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Original Article

ABSTRACT

Digital commerce (D-Commerce) is a business umbrella that integrates many business tasks for smooth functioning. D-commerce is a new technology based methodology for executing business transactions digitally by performing traditional functions such as customer experience on digital platforms, digital payment and funds transfer, report generation, data processing data storage, inventory management, invoicing electronic catalogs, cargo tracking, accounts management, point-of-sale data collection etc. using anew real online approach. A new type of intelligent based framework is needed for efficient, effective and optimal management of D-commerce applications. The intention is not to create new computer languages, new data base management systems, new packages, repositories, communications protocols, new hardware and so on. But the main aim in creating D-commerce frame work architecture is to better management of already existing computer languages, computer packages, software tools, repository tools, data processing tools and create a seamless device independent customer experience on various digital technology platforms. [1]. Main integral components of Digital commerce are smart mobile systems, location based communicational networks, computer network, new age database and information management system, security, services, messaging system and many other components such as World Wide Web, e-mails, websites, data mining tools, data warehousing tools machine learning tools, mobiles, and other applications and so on. Main goal of Digital commerce is to improve quality of goods and services with reduced costs and just in time (JIT) delivery of goods and services, online, on demand and so on. Digital commerce improves business services, quality of services and quality of goods, quality of delivery, also improves productivity of resource & services by developing and using technology tools, techniques, and scalable D-commerce frameworks consisting of many sub frame works. State- of-the-D-commerce framework is needed and this framework is responsible for performing a specific well defined business tasks efficiently and effectively, just in time (JIT), online and on demand. Digital commerce (D- commerce) is the future blood and DNA of any organization to be relevant to it send customers and partners. Digital commerce (D-commerce) applications are rapidly increasing with high speed and in a controlled and systematic way using many tools like WWB, e-mail; online cash transfers and many other methods allow both information management as well as computer network management. WWW provides an information representation schemes security and payment schemes and many other schemes useful for online buying and selling and many Digital commerce applications are being built on hypertext as well as distributed hypertext systems.

KEYWORDS: WWW, e-Mail, D-Commerce Frame Work, E-Business, Websites, EDI, EFT, Machine Learning, Speech and Language Processing, Data Warehousing, Data Mining

INTRODUCTION

Digital commerce is defined as a modern business methodology that improves quality of goods and services by using different state of the art techniques and technology including mobile technologies, computer based technologies such as e-mail, internet, computer network, mobile applications and so on. The main goal of Digital commerce is to cut business cost by improving business services efficiently effectively just in time, on demand and

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possibly with Digital services and computer technology and other software technologies. **D- Commerce** (Digital commerce or EC) is the buying and selling of goods and services, or the transmitting of funds or data, over a Digital network, primarily the Internet. Digital commerce is the indispensable collection of frame works of technologies, management methods, policies, procedures and many other scientific techniques and so on. Digital commerce is useful for firms, management, sellers, and buyers. D-commerce was born as a result of increasing demand with in business and government services that can be executed efficiently and effectively by making better use of computing services, information services, communication services, and other business services. Digital commerce is becoming an integral part of modern business applications and computer technologies [2].

Whenever transactions among buyers and sellers takes place Digital information is accessed, stored, processed, arranged, organized and separated and then portrayed placed in various forms and formats conveniently in useful all ways. Digital commerce draws on combination technologies such as mobile commerce, Digital funds transfer, supply chain management, Internet marketing, online transaction processing (OTP), electronic data interchange (EDI), inventory management systems, and automated data collection systems. Modern Digital commerce typically uses the World Wide Web for at least one part of the transaction's life-cycle, although it may also use other technologies such as e-mail [3].

Main Advantages of D-Commerce are

- Improved quality of business services andproducts

- Increased productivity of manufacturingitems

- To do paper less exchange of business information using EDI (electronic datainterchange)

- Increased number of business customers through Email (electronic mail)usage.

- Usage of Digital bulletinboards.

- Fast, convenient and less cost transactions using electronic funds transfer (EFT)method.

- Increased fast communication and data processing speed using computer network technology.

- Increased business sales, profits, customers, branches, operations and other operations using mobile technologies and mobileapplications.

Different types of Digital Commerce Applications are

- Digital fundstransfer
- Bankingapplications
- Purchasing
- Research Applications
- MicroTransactions
- Advertising
- Marketing
- Customer supportfunctions