E-BUSINESS

1
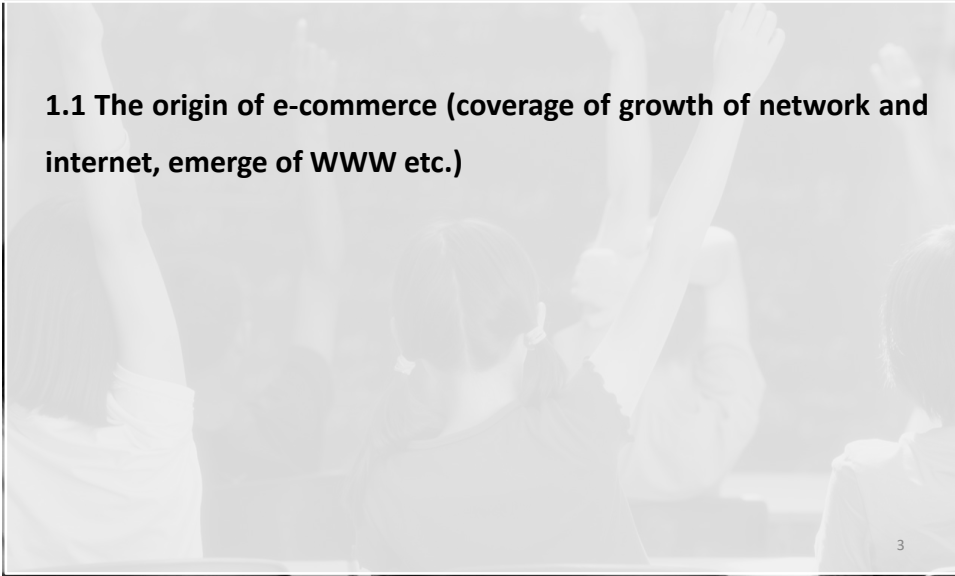
E-Business Syllabus

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1 Introduction to E-Business

1.1 The origin of e-commerce (coverage of growth of network and internet, emerge of WWW etc.)

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[History of Internet](#)

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REVIEW ON DIGITIZATION

- **World Population / Continent-wise Population**
- **Internet Users Worldwide-2022 / Global Digital Population**
    - **Users by Region**
    - **Users by Country**
- **Analysis of Growth Rate**
- **Population / Internet Users / Growth Rate in Nepal**
- **Global Internet Use & applications**

Group Discussion :

- **Top ranked E-Business Companies & their statistics**
- **Opportunities & Scope of E-Business based on Internet usage**

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Internet Users Growth

Year (July 1)	Internet Users	Users Growth	World Population	Population Growth	Penetration (% of Pop. with Internet)
1995	44,838,900 (4.4 millions)	76.2%	5,741,822,410	1.43%	0.8%
1996	77,433,860	72.7%	5,821,016,750	1.38%	1.3%
1997	120,758,310	56.0%	5,898,688,340	1.33%	2.0%
1998	188,023,930	55.7%	5,975,303,660	1.30%	3.1%
1999	280,866,670	49.4%	6,051,478,010	1.27%	4.6%

Ref : http://www.internetlivestats.com/internet-users/   6

Internet Users Growth

Year (July 1)	Internet Users**	World Population	1Y User Change	1Y User Change	World Pop. Change
2000	414,794,957	6,126,622,121	47.30%	133,257,305	1.28%
2001	502,292,245	6,204,310,739	21.10%	87,497,288	1.27%
2002	665,065,014	6,282,301,767	32.40%	162,772,769	1.26%
2003	781,435,983	6,360,764,684	17.50%	116,370,969	1.25%
2004	913,327,771	6,439,842,408	16.90%	131,891,788	1.24%
2005	1,030,101,289	6,519,635,850	12.80%	116,773,518	1.24%
2006	1,162,916,818	6,600,220,247	12.90%	132,815,529	1.24%
2007	1,373,226,988	6,681,607,320	18.10%	210,310,170	1.23%

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Internet Users Growth

Year (July 1)	Internet Users**	World Population	1Y User Change	1Y User Change	World Pop. Change
2008	1,575,067,520	6,763,732,879	14.70%	201,840,532	1.23%
2009	1,766,403,814	6,846,479,521	12.10%	191,336,294	1.22%
2010	2,023,202,974	6,929,725,043	14.50%	256,799,160	1.22%
2011	2,231,957,359	7,013,427,052	10.30%	208,754,385	1.21%
2012	2,494,736,248	7,097,500,453	11.80%	262,778,889	1.20%
2013	2,728,428,107	7,181,715,139	9.40%	233,691,859	1.19%
2014	2,956,385,569	7,265,785,946	8.40%	227,957,462	1.17%
2015*	3,185,996,155	7,349,472,099	7.80%	229,610,586	1.15%
2016*	3,424,971,237	7,432,663,275	7.50%	238,975,082	1.13%

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Internet user growth worldwide from 2018 to 2023
(in billions)

https://www.statista.com/statistics/1190263/internet-users-worldwide/
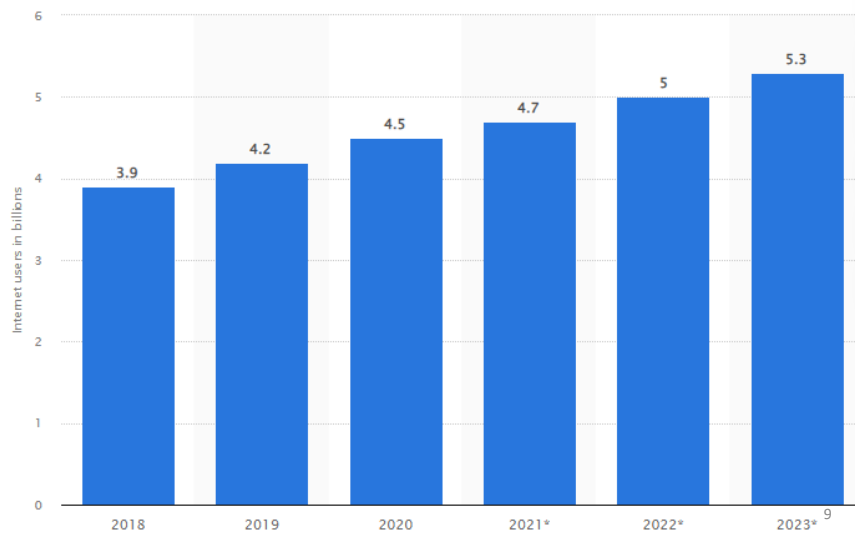
1.2. Definition of electronic commerce

1,000 = one thousand

1,000,000 = one million

1,000,000,000 = one billion

1,000,000,000,000 = one trillion

A million is equal to a thousand thousands (1,000 x 1,000).

A billion is equal to a thousand millions (1,000 x 1,000,000).

A trillion is equal to a thousand billions (1,000 x 1,000,000,000)

or a million millions (1,000,000 x 1,000,000).

Internet Users By Country

Rank	Country	Internet Users	1 Year Growth %	1 Year User Growth	Total Country Population	1 Yr Population Change (%)	Country's share of World Population	Country's share of World Internet Users
1	China	641,601,070	4%	24,021,070	1,393,783,836	0.59%	19.24%	21.97%
2	United States	279,834,232	7%	17,754,869	322,583,006	0.79%	4.45%	9.58%
3	India	243,198,922	14%	29,859,598	1,267,401,849	1.22%	17.50%	8.33%
4	Japan	109,252,912	8%	7,668,535	126,999,808	-0.11%	1.75%	3.74%
9	United Kingdom	57,075,826	3%	1,574,653	63,489,234	0.56%	0.88%	1.95%
10	France	55,429,382	3%	1,521,369	64,641,279	0.54%	0.89%	1.90%
79	Nepal	3,411,948	9%	279,504	28,120,740	1.16%	0.39%	0.12%

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Internet Users By Country

Internet use in Nepal in 2022

There were **11.51 million** internet users in Nepal in January 2022.

Nepal's internet penetration rate stood at **38.4 percent** of the total population at the start of 2022.

Kepios analysis indicates that internet users in Nepal **increased** by **822 thousand** (+7.7 percent) between 2021 and 2022.

For perspective, these user figures reveal that **18.44 million** people in Nepal did *not* use the internet at the start of 2022, meaning that **61.6 percent** of the population remained offline at the beginning of the year.

However, issues relating to COVID-19 continue to impact research into internet adoption, so actual internet user figures may be higher than these published numbers suggest.

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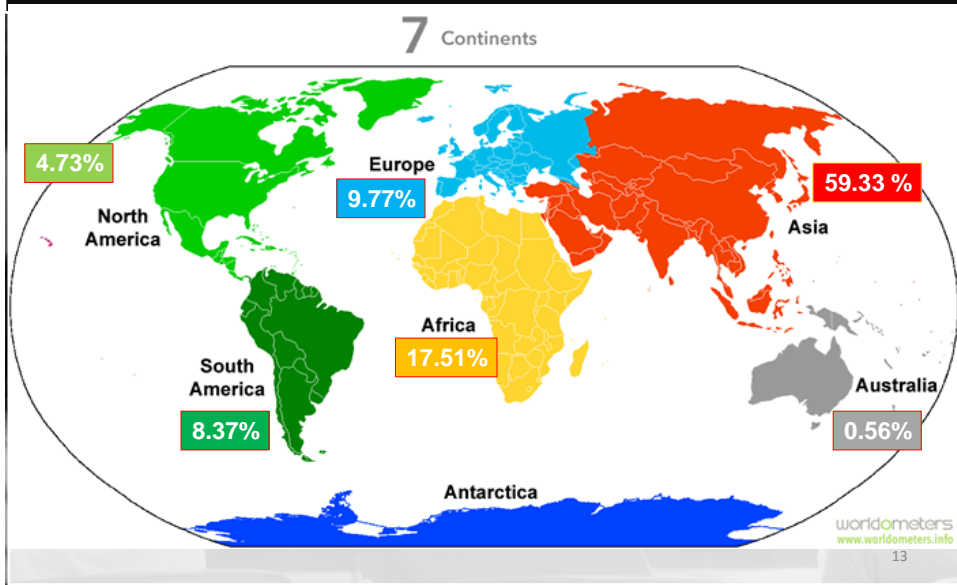
World Population

World Population

Distribution of the global population 2021, by continent

https://www.statista.com/statistics/237584/distribution-of-the-world-population-by-continent/
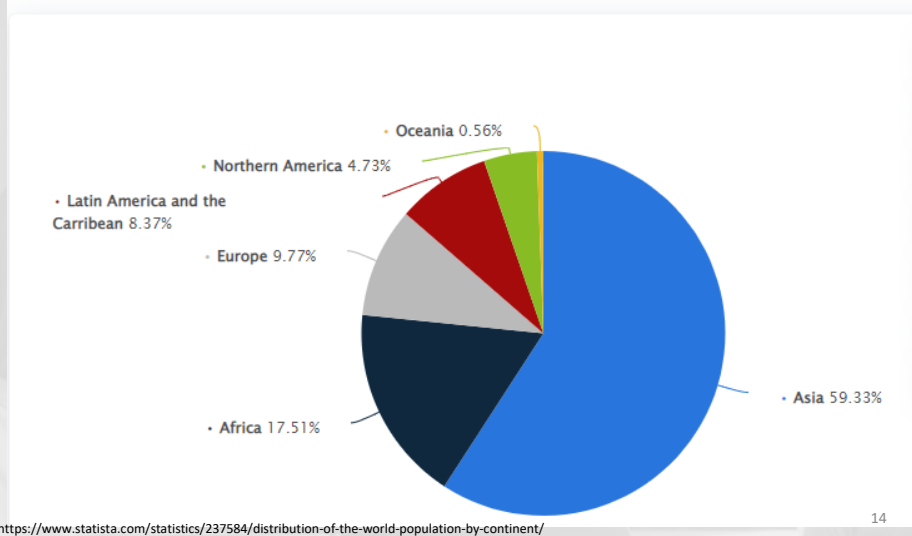
World Internet Usage & Population Statisitcs

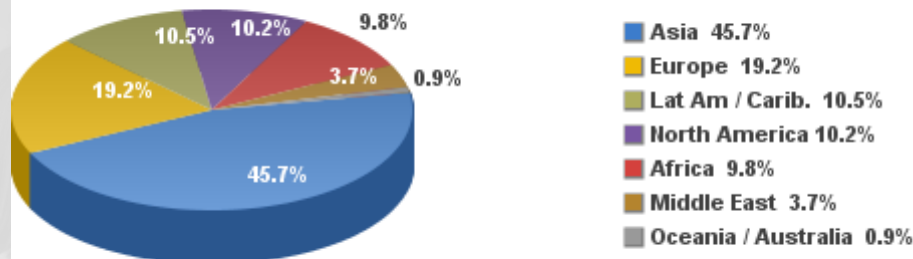| WORLD INTERNET USAGE AND POPULATION STATISTICS 2022 Year Estimates						
World Regions	**Population (2022 Est.)**	**Population % of World**	**Internet Users 30 June 2022**	**Penetration Rate (% Pop.)**	**Growth 2000-2022**	**Internet World %**
Africa	1,394,588,547	17.6 %	652,865,628	46.8 %	14,362 %	11.9 %
Asia	4,352,169,960	54.9 %	2,934,186,678	67.4 %	2,467 %	53.6 %
Europe	837,472,045	10.6 %	750,045,495	89.6 %	614 %	13.7 %
Latin America / Carib.	664,099,841	8.4 %	543,396,621	81.8 %	2,907 %	9.9 %
North America	374,226,482	4.7 %	349,572,583	93.4 %	223 %	6.4 %
Middle East	268,302,801	3.4 %	211,796,760	78.9 %	6,378 %	3.9 %
Oceania / Australia	43,602,955	0.5 %	31,191,971	71.5 %	309 %	0.6 %
WORLD TOTAL	7,934,462,631	100.0 %	5,473,055,736	69.0 %	1,416 %	100.0 %

NOTES: (1) Internet Usage and World Population Statistics estimates are for July 31, 2022. (2) CLICK on each world region name for detailed regional usage information. (3) Demographic (Population) numbers are based on data from the United Nations Population Division. (4) Internet usage information comes from data published by Nielsen Online, by the International Telecommunications Union, by GfK, by local ICT Regulators and other reliable sources. (5) For definitions, navigation help and disclaimers, please refer to the Website Surfing Guide. (6) The information from this website may be cited, giving the due credit to www.internetworldstats.com. Copyright © 2022, Miniwatts Marketing Group. All rights reserved worldwide.

https://www.internetworldstats.com/stats.htm

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Internet Users By Region

Internet Users in the World
Distribution by World Regions - 2014 Q2

Asia 45.7%
Europe 19.2%
Lat Am / Carib. 10.5%
North America 10.2%
Africa 9.8%
Middle East 3.7%
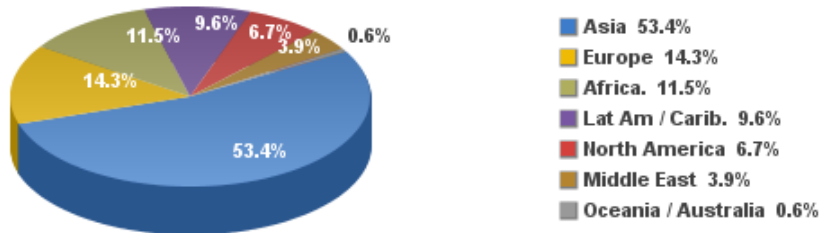Oceania / Australia 0.9%

Source: Internet World Stats - www.internetworldstats.com/stats.htm
Basis: 3,035,749,340 Internet users on June 30, 2014
Copyright © 2014, Miniwatts Marketing Group

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Internet Users Distribution in the World - 2021

- Asia 53.4%
- Europe 14.3%
- Africa. 11.5%
- Lat Am / Carib. 9.6%
- North America 6.7%
- Middle East 3.9%
- Oceania / Australia 0.6%

9.6% 6.7% 3.9% 0.6%
11.5%
14.3%
53.4%

Source: Internet World Stats - www.internetworldstats.com/stats.htm
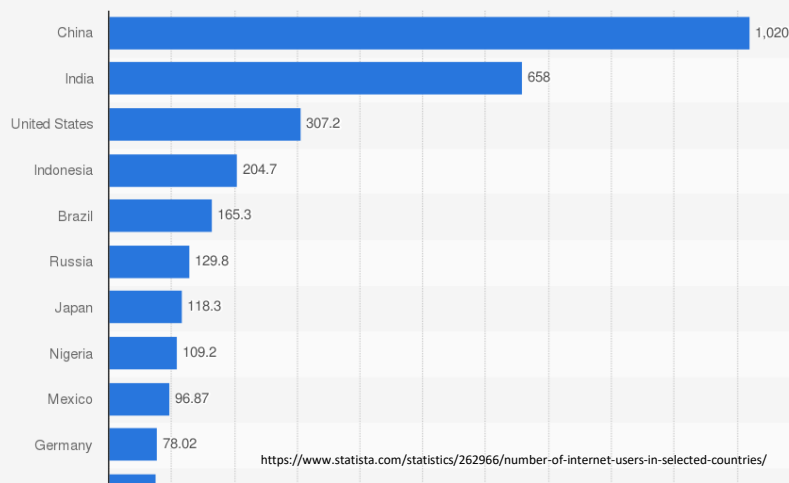Basis: 5,168,780,607 Internet users in March 31, 2021
Copyright © 2021, Miniwatts Marketing Group
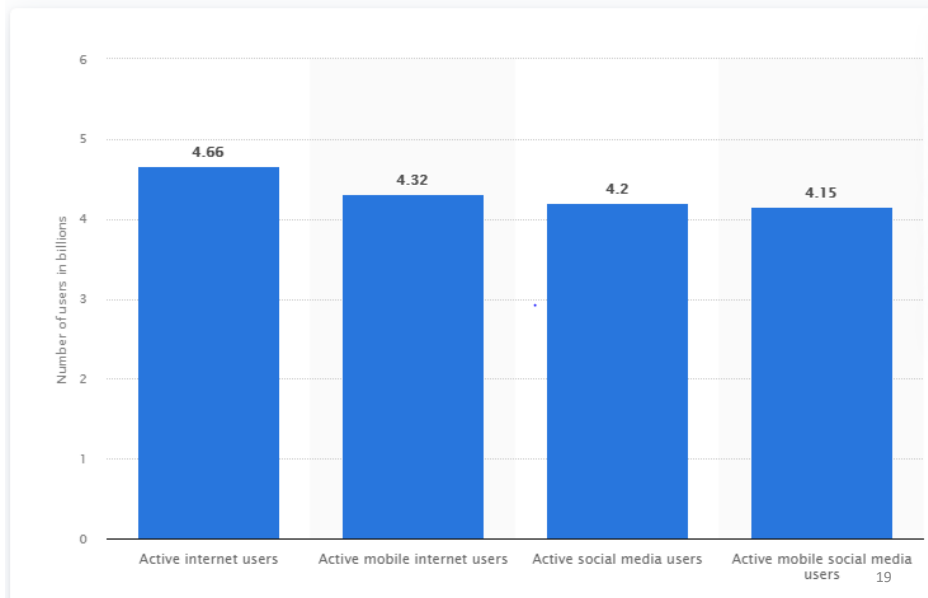
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Internet Users By Country

**Countries with the largest digital populations in the world as of January 2022 (in millions)**

Country	Users (millions)
China	1,020
India	658
United States	307.2
Indonesia	204.7
Brazil	165.3
Russia	129.8
Japan	118.3
Nigeria	109.2
Mexico	96.87
Germany	78.02

https://www.statista.com/statistics/262966/number-of-internet-users-in-selected-countries/

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Global digital population as of January 2021
(in billions)

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Top 10 Countries by Internet Users (1999-2021)

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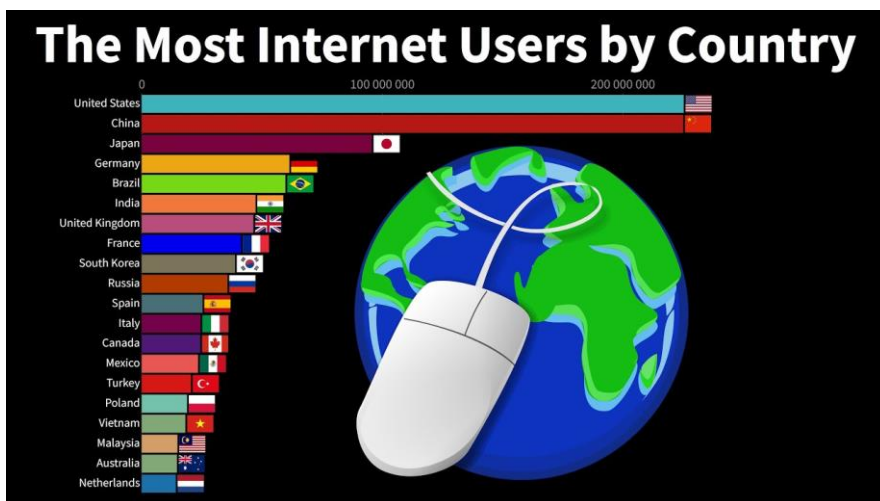
E-Business

1.2. Definition of electronic commerce

❑ **Electronic commerce**, commonly known as **E-commerce** or **eCommerce**, is trading in products or services using computer networks, such as the Internet.

1.2. Definition of electronic commerce

❑ It is "any transaction completed over a computer-mediated network that involves the transfer of ownership or rights to use goods and services,"

U.S. Census Bureau.

❑ Transactions aren't required to have a price and include both sales and items like free downloads. E-commerce includes transactions made on the internet, Intranet, Extranet, World Wide Web, by email and even by fax.

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1.2. Definition of electronic commerce

❑ It draws on technologies such as mobile commerce, electronic funds transfer, supply chain management, Internet marketing, online transaction processing, electronic data interchange (EDI), inventory management systems, and automated data collection systems.

❑ Modern electronic 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.

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1.3. Scope of electronic commerce

eCommerce has a very wider scope as laid down by its wide areas of application, some of the major areas of which are ;

❑ Financial Services

A large number of users use the internet for some form of financial guidance

❑ Stock Trading

Online stock broking companies offer market access at a competitive price as a key advantage

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1.3. Scope of electronic commerce

❑ Banking

Internet banking has become a key process in recent days for customer related services such as transaction reporting, fund transfer, utility payment, etc.

❑ Legal and Professional Services

Many legal and professional services could provide the legal, professional and regulatory advice to the users of the internet which has led to the increase in the number of ecommerce users

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1.3. Scope of electronic commerce

❑ Tour and Travel

Travel industry has been effectively using the ecommerce and has obviously expanded their reach throughout the global market. For example, reservation for hotels, ticketing, travel guides, etc.

❑ Healthcare

Another prominent uses in in the health section as the major concern of the public in the health sector has also been made much easier and effective through the use of ecommerce.

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1.4. Traditional Commerce Vs. eCommerce

E-Commerce	Traditional Commerce
• Using internet or other network communication technology • Automated processing of business transactions • Individual involved in all stages of transactions • Pulls together all activities of business transactions, marketing and advertising as well as service and customer support	• Face-to-face, telephone lines, or mail systems • Manual processing of traditional business transactions • Individual involved in all stages of business transactions • Separated activities of business transactions.

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eBusiness

E-business (electronic business) is the conduct of business processes on the Internet.

These electronic business processes include buying and selling products, supplies and services; servicing customers; processing payments; managing production control; collaborating with business partners; sharing information; running automated employee services; recruiting; and more.

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eBusiness

❑ E-business is broader than e-commerce; including the transaction based e-commerce businesses and those who run traditionally but cater to online activities as well.

❑ An e-business can run any portion of its internal processes online, including inventory management, risk management, finance, human resources.

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eBusiness

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1.5. Difference between ecommerce & ebusiness

E-Business	E-Commerce
Running Business using Internet is termed as E-Business.	Trading of merchandise over Internet is termed as E-Commerce
E-Business is the broader concept and is the superset of E-Commerce.	E-Commerce is the part of E-Business or is the subset of E-Business.
Business transactions are carried out in it.	Commercial transactions are carried out in it.
Transactions are not limited in it.	Transactions are limited in it.
Main Types of E-Business are: • Pure-play(Online only) • Brick and Click(Combination of both offline and online)	Main Types of E-Commerce are: • Business to Business(B2B) • Business to Consumer(B2C) • Consumer to Consumer(C2C) • Consumer to Business (C2B) • Government to Consumer (G2C)
Activities of E-Business are: • Online store setup • Payment options/Gateway • Online customer support • Email marketing • Invoicing, Packaging and shipping • Supply Chain Management	Activities of E-commerce are: • Buying of mobile phone from online site • Online ticketing (Bus, Railway, Airlines, and Hotels etc.) • Electronic transfer of funds • Online accounting software for business • Paying government taxes

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1.6. Advantages & Disadvantages of eBusiness

Advantages

❑ **Being able to conduct business 24 x 7**

❑ **Reduce cost to buyers & suppliers**

❑ **Create New markets, Easy market entry**

❑ **Increase in variety of goods**

❑ **Reduce inventories**

❑ **No Middlemen**

❑ **Improved and better customer service**

❑ **Teamwork**

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1.6. Advantages & Disadvantages of eBusiness

Advantages

❑ **Information sharing with the customers**

❑ **Customized products**

❑ **Information sharing**

❑ **Global reach, Advertising of goods and services**

❑ **Higher profits**

❑ **E-Payment system**

❑ **Ensure secrecy**

❑ **Computer platform**

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1.6. Advantages & Disadvantages of eBusiness

Disadvantages

- **Security and Integrity Issues**

- **Commitment for Purchase to Delivery Time**

Online purchasing offering delivery services may lack timely delivery.

- **No physical proximity with items purchased –** *lacks personal touch*

- **Sectoral Limitations** - *Not every company can participate in e-commerce as some are challenged in terms of expertise and availability of technology, while there can be products that can't be shipped economically or may sometimes be due to national international legal restrictions.*

- **Payment modules may not be easy and comfortable all levels of customers**

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Introduction to E-Business

Q&A and Quizz Session

- The origin of e-commerce (coverage of growth of network and internet, emerge of WWW etc.)
- Definition of electronic commerce
- The Scope of Electronic Commerce
- Traditional commerce V/S electronics commerce
- Difference between e-commerce and e-business,
- Advantages and disadvantages, application of e-business.

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Unit 1 : Introduction to E-Business

Q&A and Quizz Session

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