

Information and Communication Technology

B.A. / B.COM. / B.SC
AS PART OF LIFE SKILLS COURSES
UNDER CBCS FRAMEWORK
WITH EFFECT FROM 2020-21

VRL Publishers

Cheekatimarla Anil Kumar

INFORMATION AND COMMUNICATION TECHNOLOGY

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INDEX

UNIT-I

Chapter - 1: Fundamentals of Internet

1.1. What is Internet?	1
1.2. Internet applications:	2
1.3. Internet Addressing:	3
1.4. Entering a Web Site Address:	3
1.5. URL, Components of URL:	4
1.6. Searching the Internet:	4
1.7. Browser, Types of Browsers:	5

Chapter - 2: Introduction to Social Networking

2.1. Social Networking:	7
2.2. Twitter:	8
2.3. Tumblr:	9
2.4. LinkedIn:	9
2.5. Facebook:	9
2.6. Flickr:	10
2.7. Skype:	10
2.8. Yahoo:	10
2.9. YouTube:	11
2.10. WhatsApp:	11

UNIT-II

Chapter - 3: E-mail:

3.1. Definition of E-mail:	13
3.2. Advantages and Disadvantages:	13
3.3. User Ids, Passwords, Email Addresses:	14
3.4. Domain Names:	15
3.5. Mailers:	16
3.6. Message Components:	16
3.7. Message Composition:	17
3.8. Mail management:	19

Chapter - 4 : G-Suite

4.1. Google drive:	20
4.2. Google documents	21
4.3. Google spread sheets:	22

4.4. Google Slides	23
4.5. Google forms	24
UNIT-III	
Chapter - 5: Overview of Internet security	
5.1. E-mail threats and secure E-mail:	26
5.2. Viruses and antivirus software:	28
5.3. Firewalls:	29
5.4. Cryptography:	30
5.5. Digital signatures:	31
5.6. Copyright issues:	32
Chapter - 6: What are GOI digital initiatives in higher Education?	
6.1. SWAYAM:	34
6.2. SwayamPrabha:	36
6.3. National Academic Depository:	37
6.4. National Digital Library of India:	38
6.5. E-Sodh-Sindhu:	38
6.6. Virtual labs:	39
6.7. E-acharya:	40
6.8. e-Yantra:	40
6.9. NPTEL:	41

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- Internet fundamentals and web tools by VRL publishers in the year 2017

Chapter – 1: Fundamentals of Internet

1.1. What is Internet?

The internet is a global network that connects billions of computers all over the world. It is a network of networks. The internet links different organizations, academic institutions, government offices, and home users to share information among large group of users.

Internet services:

Today the internet become a part of not only the big organizations, universities, and offices, but has become the need of home users all over the world. The internet services are:

- ✓ E-Mail: Electronic mail or e-mail is a means of transmission of messages electronically over communication networks. E-mail is one of the most widely used services on the internet. Anyone who has e-mail account can send an e-mail to any other person who also has an e-mail account. Gmail.com, yahoomail.com, rediffmail.com, hotmail.com, etc. are provides the e-mail facility to the users.
- ✓ File transfer protocol: File transfer protocol is one of the oldest applications of the internet, which is basically used for transferring files from one computer to another computer, such as from a user's personal computer to a web server. It is the preferred method of exchanging files because it is faster and reliable.
- ✓ Chatting: Chatting is a very popular service of the internet that allows two or more online users

come together to talk using an instant messenger. Chatting helps users to stay connected with concerned people in business or family who live many miles away.

- ✓ Electronic newspaper: An online news paper is a newspaper on the internet, which is either published separately or as an online version of a printed periodical.
- ✓ World Wide Web: the technical definition of the World Wide Web or simply web can be given as "all resources and users on the internet that are using the hypertext transfer protocol" on the web, all the documents are formatted in a special markup language is called HTML.
- ✓ Online shopping: Online shopping refers to buying goods or services from merchants who sell on the internet.
- ✓ World Wide Web stores enormous amount of information on an amazing variety of topics in hundreds of millions of pages.

1.2. Internet applications:

- Search engine: It can be used to search anything and everything. Most popular search engines are Google and yahoo.
- Shopping: Shopping has become easier with the advent of internet. You can buy or sell online.
- Communication: This is a major role of the internet. It helps people to communicate either with the use of social networking websites or through e mails. Even chatting is a major use of the internet.

- Job search: Nowadays, many people search for their jobs online as it is quicker and there is a larger variety of job vacancies present.
- Studying: Now right from kinder garden children are exposed to internet and computers. They find many useful things to learn on the internet.

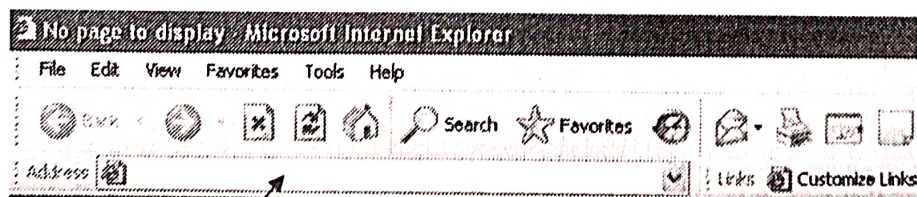
1.3. Internet Addressing:

Each computer and router on the internet must have a name so that it can be uniquely identified. An Internet addressing or Internet protocol address or IP address consists of 32 bits, or four bytes. IP addresses as four natural numbers from 0-255. It is common to express IP addresses as four natural numbers separated by dots.

The network interface card NIC of every computer that wants to send or receive messages on the internet must have at least one address. This is similar to the need for you to have a unique address receive mail. On the internet, this address is called IP address. IP address is often expressed in the dotted decimal format, such as: 192.168.1.1

1.4. Entering a Web Site Address:

The area which is dedicated to enter the website address in the internet explorer is address bar. Put cursor at the address bar then type the address of the website you want to open.



www.facebook.com

For example if you want to open Facebook website then type www.facebook.com in the address bar and then press the enter button the Facebook page will displayed at web page area in the browser

1.5. URL, Components of URL:

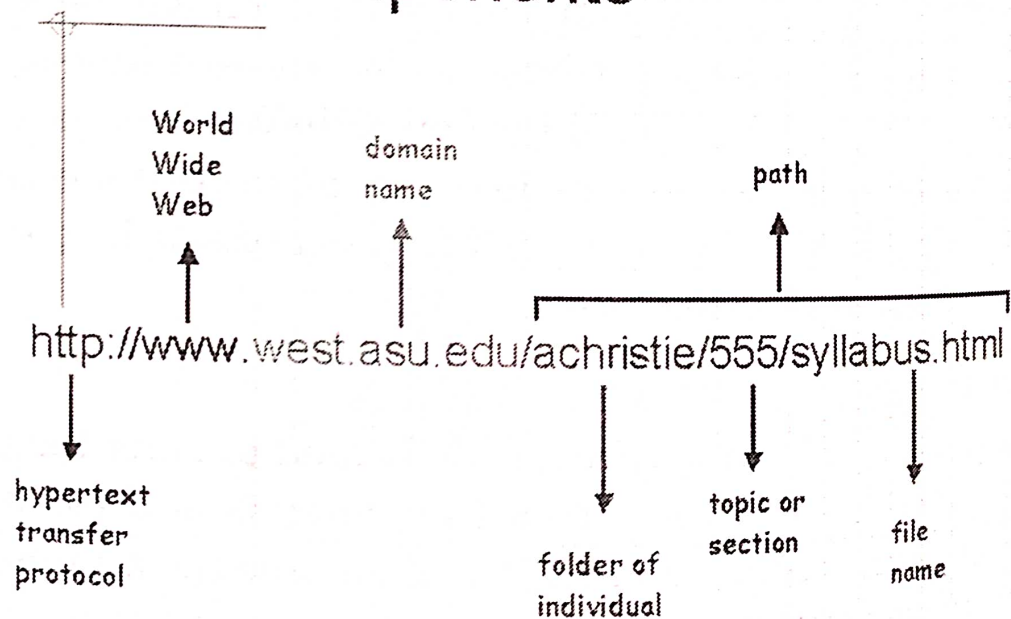
URL:

Uniform Resource Locator. At its simplest, URL can be seen to be synonymous with a 'web address'. The website address you have entered at the address bar is also called as URL.

Components of URL:

Components or parts of Uniform resource locator are:

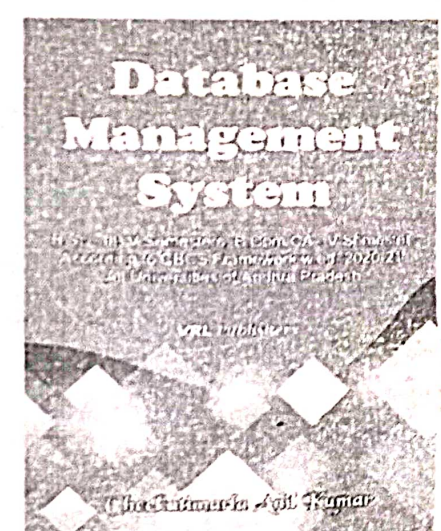
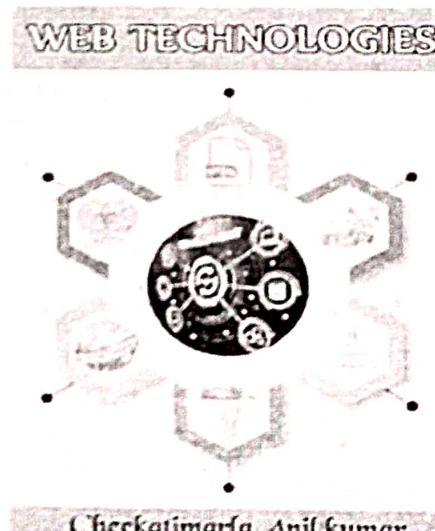
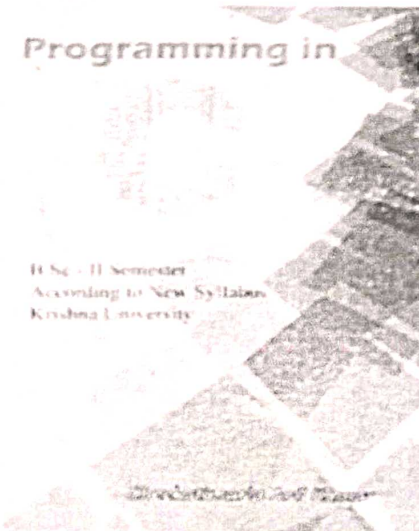
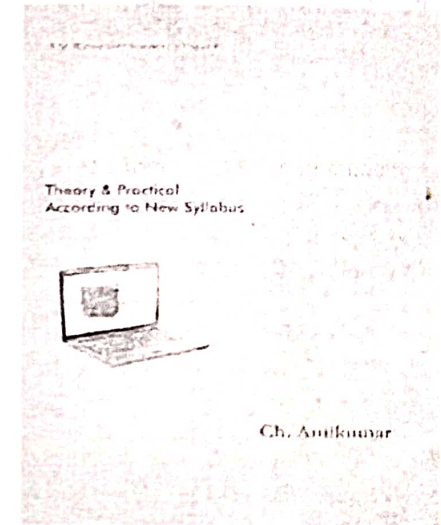
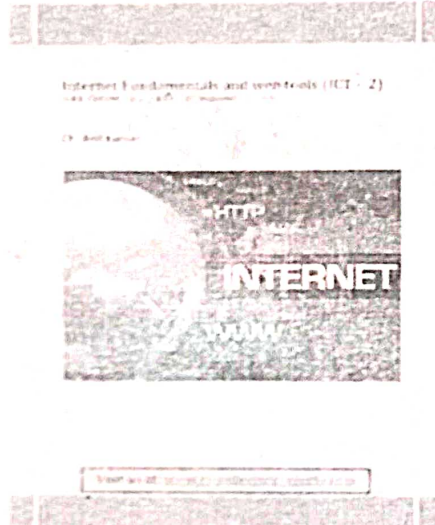
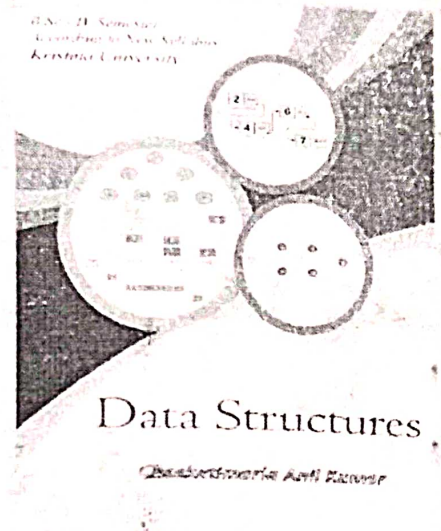
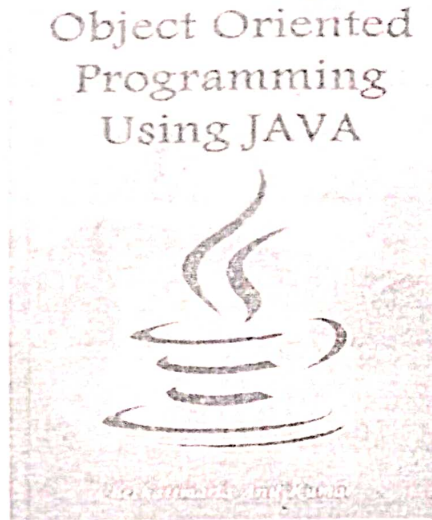
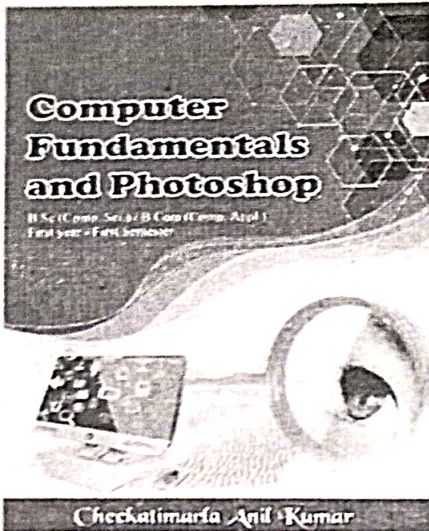
URL Components



1.6. Searching the Internet:

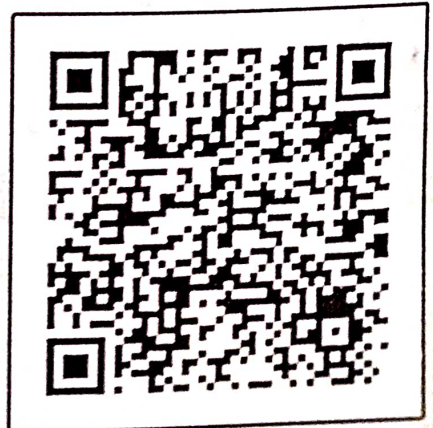
By using the search engines, searching the information on the internet is easy. Search engine is an approach to organize the information and locating the information on the web, which is a computer program.

Other Books



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