สรุปรายละเอียดเนื้อหา **Living Online Eng.**

Network and Internet

Keyword sentence	Description
Benefit of Network	Share computer resource, share information each other
Type of Network	LAN(Local Area Network) is a computer network that interconnects computers within a limited area such as a home, school, computer laboratory, or **office building** MAN(Metropolitan Area Network) is a computer network in which two or more computers or communicating devices or networks which are **geographically** separated but in same metropolitan city and are connected to each other are said to be connected on MAN WAN is a network that covers a **broad area** (i.e., any telecommunications network that links across metropolitan, regional, national or international boundaries) using leased telecommunication lines Internet is a global system of interconnected computer networks that use the standard Internet protocol suite (TCP/IP) to link several billion devices worldwide.
Type of Communication	**Broadband** is characteristics of a transmission medium and its ability to transport multiple signals and traffic types simultaneously. **Baseband** is a communication system in which information is transported across a single channel. *Example of* DSL, CABLE or T1 are a Digital BroadBand.
Type of Software for client and Server	Server is a computer that provides data to other computers. Many types of servers exist, including web servers, mail servers, and file servers. Client is a computer that accesses a service made available by a server. *The software that run on server only are Apache web,IIS .* *The software that run on Client only are Office,Graphic program .But the software that run both is Collaboration program (Email,Groupware)*
User right	People who work in the network contain : Network Administrator is an individual that is responsible for the maintenance of computer hardware and software systems that make up a computer network including the maintenance and monitoring of active data Network User is a person who uses a computer or network service. *For the Example, The network user cannot install software because of Admin has a protect your right. It called loss of Autonomy* *User cannot login to using the system. It called loss of Privacy.*

Keyword sentence	Description
Biometric Data	Biometric Data is used in computer science as a form of identification and access control *For example , Eye Scan,Finger Scan*

Collaborating Program (Using Email)

Keyword Sentence	Description
Email Management	**Email Address** identifies an email box to which email messages are delivered. An email address such as John.Smith@example.com is made up of a local part, an @ symbol, then a domain part. The domain part is not case-sensitive. Email Encryption **Create Email** • Click New Message Button and then fill the Email address in…… **Set High Priority Email** • Double Click in target letter and then Click High Priority Button on the Ribbon Home. **Create Folder in Email** • Point to the inbox and then right click select the new…….. **Move Email to Folder……** • Right click in the target email and select the Add to……… **Priority Email** • Click target email and Click High priority button in Home Tab **Spam mail** Electronic spamming is the use of electronic messaging systems to send unsolicited bulk messages (spam), especially advertising, indiscriminately. Email spam, also known as unsolicited bulk Email (UBE), junk mail, or unsolicited commercial email (UCE), is the practice of sending unwanted email messages, frequently with commercial content, in large quantities to an indiscriminate set of recipients. *Spam mail is intercepted or blocked by two or three ways* • *Block Message by Server* • *Block Message by Client* • *Flag in the letter* *Example of Spam Mail: Phishing Letter,Scam letter. Sometimes spam mail have a virus or Trojan embedded.*
Protocol	A protocol is the special set of rules that end points in a telecommunication connection use when they communicate. Protocols specify interactions between the communicating entities. *The TCP/IP Internet protocols, a common example, consist of:* • *Transmission Control Protocol (TCP), which uses a set of rules to exchange messages with other Internet points at the information*

Keyword Sentence	Description
	packet level • *Internet Protocol (IP), which uses a set of rules to send and receive messages at the Internet address level* • *Additional protocols that include the Hypertext Transfer Protocol (HTTP) and File Transfer Protocol (FTP), each with defined sets of rules to use with corresponding programs elsewhere on the Internet*
Real-time communication	**Real-time communications** (RTC) is a term used to refer to any live telecommunications that occur without transmission delays. It will permit computer users to exchange multimedia and audio content in real time. It will integrate as well gateways to telephony networks using the (VoIP) SIP protocol.
Evolution of Communication and Other communication	**In the present,** Email is ability to use both Email Website and Email Client program. Using Email Client Program,You can store email letter with in the storage of your computer and open it when you offline but different from Email website,you cannot store email on the storage but you can check email in everywhere. *What is the different between email message and SMS (Short messaging)* • *Email can attach any file to the letter and send it while as SMS cannot do it.* • *Email: Electronic mail sent via an internet connection and its delivered fast than SMS while as SMS: sent via a mobile and sattlelite.* **Satellite Communication** is signal transferring between the sender and receiver is done with the help of satellite. In this process, *For Example: Microwave, Satellite phone and so on.* *In case of natural disaster, All of communication is cut off except satellite communication* **Teleconference** is the live exchange and mass articulation of information among several persons and machines remote from one another but linked by a telecommunications system. *Example of Teleconference: meeting conference ,video conference, web conference* *Example of Teleconference software:Skype,Netmeeting,WEBEx,Microsoft Live meeting* **Short Message Service (SMS)** is a text messaging service component of phone, Web, or mobile communication systems *Example of SMS Program: LINE, WHATAPP and so on.*

Internet and World Wide Web

Keyword Sentence	Description
IP Address	**IP Address** is a numerical label assigned to each device (e.g., computer, printer) participating in a computer network that uses the Internet Protocol for communication, *Example 192.168.155.6,203.145.234.221*
Webblog	**Weblog or Blog** is a discussion or informational site published on the World Wide Web and consisting of discrete entries ("posts") typically displayed in reverse chronological order (the most recent post appears first). Example Blogger, Wikipedia Wikipedia as Wiki is a web application which allows people to add, modify, or delete content in collaboration with others. While a wiki is a type of content management system, it differs from a blog or most other such systems in that the content is created without any defined owner or leader, and wikis have little implicit structure, allowing structure to emerge according to the needs of the users *The Specialist person is able to add /modify the content* *The Wiki act as Encyclopedia* *Under the weblog, you can post about information of yourself such as name address and so on.*
Copyright Material	Copyright is a legal concept, enacted by most governments, **that grants the creator of an original work** exclusive rights to its use and distribution, usually for a limited time, with the intention of enabling the creator of intellectual wealth Fair use is a limitation and exception to the exclusive right granted by copyright law to the author of a creative work. In United States copyright law, **fair use is a doctrine that permits limited use of copyrighted material without acquiring permission from the rights holders** *Example of Copyright such as Company Logo ,trademark* *Examples of fair use include commentary, search engines, criticism, parody, news reporting, research, teaching, library archiving and scholarship*
Consider a comment	**A comment** is generally a verbal or written remark often related to an added piece of information, or an observation or statement *When you post comment, you should post a good comment. You should not post a spread rumor news in the website, you should not post your financial data and personal data such as date of birth, real address, credit card number and so on.* *Bad comment that you post is illegal and unethical*
Social Network	**A social networking** service is a platform to build social networks or social relations among people who, share interests, activities, backgrounds or real-life connections. Most social network services are web-based and provide means for users to interact over the Internet, such as e-mail and instant messaging.

Keyword Sentence	Description
	Social networking sites allow users to share ideas, pictures, posts, activities, events, interests with people in their network. The main types of social networking services are those that contain category places (such as former school year or classmates), means to connect with friends (usually with self-description pages), and a recommendation system linked to trust. For Example , Facebook, Google+, YouTube, LinkedIn, Instagram, Pinterest, Tumblr and Twitter
Using Internet Explorer	**Open Website** • Open New Tab : Right Click link from the content and then select open in....... • Open New Windows: Right Click link from the content and then select open in new...... **Favorite Website** • When you open Favorite page from website,you should add favorite or bookmark website by click Add Favorite button and then fill the name of favorite .... **Refresh Website** • When you reload the new content in the web: Click Refresh button on the right of URL Display address bar or Press F5 to Refresh Button **Delete History** • Click the internet option and Click Delete History Button...... **Search Engine Website** • You put the keyword to search in search engine box such as you want to search the keyword Office and 2007 you should use the double quote in the keyword or use +/- in the keyword • *For example "Office 2007" or +Office+2007 or +Office-2007*

Internet Society

Keyword Sentence	Description
E-commerce	**Electronic commerce, commonly known as E-commerce or ecommerce,** is trading in products or services conducted via computer networks such as the Internet. **Type of E-Commerce:** Business to Business and Government to Government B2B are Companies doing business with each other such as manufacturers selling to distributors and wholesalers selling to retailers. Pricing is based on quantity of order and is often negotiable. G2G are other forms of ecommerce that involve transactions with the government--from procurement to filing taxes to business registrations to renewing licenses

Keyword Sentence	Description
	The important data for ecommerce security is Credit card number. You should
E-Government	Refers to the use of information and communication technology to provide and improve government services, transactions and interactions with citizens, businesses, and other arms of government. *Example of E-Government: Electronic tax,electronic procurement and so on.*
Online Education	E-Education is the use of electronic media and information and communication technologies (ICT) in education. E-learning is broadly inclusive of all forms of educational technology in learning and teaching *Example of E-Education: WBT, CBT,E-learning. Virtual Class learning.*
Malware Virus	Short for malicious software, is any software used to disrupt computer operation, gather sensitive information, or gain access to private computer systems. It can appear in the form of code, scripts, active content, and other software. Malware includes computer viruses (including worms, trojan horses), spyware, adware,and other malicious programs **Description of Malware virus:** **A computer virus** is a malware program that, when executed, replicates by inserting copies of itself (possibly modified) into other computer programs, data files, or the boot sector of the hard drive; **A Trojan** is non-self-replicating type of malware program containing malicious code. **A computer worm** is a standalone malware computer program that replicates itself in order to spread to other computers.
Backup and Security Measure	Backup