

ITC 201: Computer Systems and Information Technology Applications

Course Objectives

This module aims to provide students with the fundamental knowledge of computer and its application in business world.

Contents

Definition of Computer, Input Devices, Output Devices, Storage Devices, Central Processing Unit, Computer networking and its application, Operating System, Application software, Utility software, Security, Definition, Application of IT in Science and Engineering, Business and Commerce, Education, Governance, Medicine, Entertainment, Financial Information System, Marketing Information System

Detailed Course

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| Unit I: | Definition of Computer: What is computer? When computer came into existence? Different types of computers. | LH 2 |
| Unit II: | Input Devices: Mouse, Keyboard, Microphone, Touch Monitor, Uses of input devices | LH 2 |
| Unit III: | Output Devices: Monitor, Printer, Uses of Output devices | LH 2 |
| Unit IV: | Storage Devices: Primary Storage Device, Secondary Storage Devices, uses of storage devices | LH 2 |
| Unit V: | Central Processing Unit: Control Unit, Arithmetic and Logic Unit, functions of Central processing Unit | LH 2 |
| Unit VI: | Operating System: What is operating System? Different operating systems, Why is operating system needed? Support for Networking | LH 2 |
| Unit VII: | Computer Network: Introduction to computer network, Pros and Cons of computer Network, Types of computer network (On the basis of size and architecture), Introduction to IP address. | LH 2 |
| Unit VIII: | Application Software: Word Processor, Spread Sheet, Presentation Tools, Image processing software (Photoshop) with basic features. | LH 13 |
| Unit IX: | Utility Software: Device Manager, Disk cleaner, Disk scanner, Disk Defragmenter | LH 2 |
| Unit X: | Information Technology: What is IT? Importance of IT. Different hardware and software used in IT. Application of IT in Science and Engineering, Business and Commerce, Education, Governance, Medicine, Entertainment, | LH 4 |
| Unit XI: | Financial Information System (FIS). What is FIS? Features of FIS. How FIS can help organization in decision making process? | LH 6 |
| Unit XII: | Marketing Information System (MkIS). What is MkIS? Features of MkIS. How MkIS can help organization in decision making process? | LH 6 |

Text book

ITL Education Solutions Limited, *"Introduction to Information Technology"*, Pearson Education India

References:

- Keyes, J. *"Financial Services Information Systems (Best Practices)"*, Auerbach Publications; 2 Sub edition
- James B. Bower, Robert Edward Schlosser, Charles T. Zlatkovich, *"Financial information systems: theory and practice"*
- Kimball P Marshall, *"Marketing information systems : creating competitive advantage in the information age"*, Boyd & Fraser Pub Co