

VEER NARMAD SOUTH GUJARAT UNIVERSITY – SURAT
B. Com. (Computer Application) 3rd Year
Vocational Course
Syllabus
SEMESTER 6
Effective From: June 2013

Paper No.: 9 **Teaching Hours:** 3 Hrs./Week
Paper Title: **Computer Application: Paper IX** **Credits:** 3
(BUSINESS INFORMATION SYSTEM)

Prerequisite: **Basic Computer operating skills.**

Aim: **To make students aware of the available Business Information Systems. Also motivate the students towards the operation of Information system with several security aspects.**

Expected Outcome: **The students will be able to work under the environment of different Business Information systems and have ability to trace malfunctioning of the computer system and take appropriate action against it.**

A. Business Information System [100%]

1. Introduction

- 1.1. Information System Concepts
- 1.2. Data, Information, Knowledge, Wisdom
- 1.3. Characteristics of valuable information
- 1.4. Value of Information
- 1.5. Information system in an organization

2. E-Commerce and M-Commerce

- 2.1. Introduction- B2B, B2C, C2C, e-Government
- 2.2. E-Commerce Challenges
- 2.3. E-Commerce and M-Commerce Applications
- 2.4. M-Commerce Hardware and Software
- 2.5. Electronic Payment System

3. Transaction Processing System (TPS)

- 3.1. Overview of Traditional Transaction Processing System
- 3.2. Transaction Processing Activities
 - 3.2.1. Data Collection
 - 3.2.2. Data Editing
 - 3.2.3. Data Corrective
 - 3.2.4. Data Manipulation
 - 3.2.5. Data Storage
 - 3.2.6. Document Production and Reports

4. Management Information System (MIS)

- 4.1. Concepts of MIS
- 4.2. Characteristics of MIS, Need of MIS
- 4.3. Role of MIS in an organization
- 4.4. Role of MIS as decision support system, as decision making system

5. Enterprise Resource Planning (ERP)

- 5.1. Introduction to ERP
- 5.2. Advantage and Disadvantage of ERP
- 5.3. Leading ERP Systems

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5.4. ERP for SME's.

6. Security & Privacy Issues

- 6.1. Computer Waste, Mistakes and Its Prevention
- 6.2. Computer Threats: Hacker, Cracker, Insiders, Virus, Worms, Trojan horse, Logic Bomb
- 6.3. Proper use of Antivirus software
- 6.4. Security issues related to online transactions.
- 6.5. Privacy at work
- 6.6. E-Mail Privacy
- 6.7. Internet Privacy
- 6.8. Efforts to protect privacy

Reference Books:

1. Ralph Stair and Gerge Raynolds – Information System – Cengage Learning.
2. Ralph Stair and Gerge Raynolds – Principle of Information System, A Managerial Approach – Cengage Learning.
3. Kenneth Laudon and Jane-Management Information System: Managing the Digital Firm, Laudon, Prentice Hall of India
4. Management Information System, W.S. Jawadekar, Tata McGraw Hill.
5. Thomas F. Wallace, Michale H. Kremzar, ERP: Making It Happen, Wiley Publication
6. C.S. V. Murthy, Management Information System: Text & Applications-Himalaya Publication