

LESSON PLAN

Subject Name: Business Information System

Lecture hours: 45

Objective: To equip students with knowledge and skills of information system needed to succeed in any work place. This programme focuses on new generation information system specially e-commerce with importance to EDI, EPS, Internet Applications.

Sl. No	UNIT & OBJECTIVES	No. of Lecture Hours	Methodology/Instructional techniques	Evaluation/learning confirmation
Module I	Management Information System, Importance of a System & IT	14		
1.	Importance, functions, characteristics, evolution of MIS, implementation issues, MIS resistance, System approach.	3	Lecture	Question and Answer
2.	Need for MIS, advantages, disadvantage, Event in MIS, management and Decision-making.	2	Lecture	Question and Answer
3.	Definition of a system-Types , Establishing the type of Information needed by the management	2	Lecture	Question and Answer
4.	Information System (IS) - Data and information, Knowledge, Intelligence, Classification, Components	2	Lecture	Question and Answer
5.	Information Support for Functional areas of Management	1	Lecture	Question and Answer
6.	Impact of business and Information system, Information technology (IT), IT vs. IT.	2	Lecture	Question and Answer
7.	System Development Life Cycle -Basics- Methodology-Water fall Approach, Role of Accountants in SDLC.	2	Lecture	Question and Answer
Module II	Information System Audit	6		
1.	Objectives of Information System Audit, Maintenance of System effectiveness	2	Lecture	Question and Answer
2.	Ensuring System Efficiency, Information System Audit Approached,	2	Lecture	Question and Answer
3.	Information System Audit Methodology	1	Lecture	Question and Answer
4.	Broad Frame Work for Conducting IS Audit- Planning of Information Systems Audit	1	Lecture	Question and Answer

Module III	Communication Technology & Electronic Data Interchange	4		
1.	Telecommunication, Computer Networks, Internet, internet architecture, intranet, extranet.	2	Lecture	Question and Answer
2.	EDI -Internet EDI, Value added networks, Financial EDI,	2	Lecture	Question and Answer
Module IV	E-Commerce and Transaction Processing Systems:	12		
1.	Evolution – Role- Elements of e-commerce application	2	Lecture & Activity	Question and Answer
2.	Conceptual framework - categories - e-commerce consumer application.	2	Lecture & Activity	Question and Answer
3.	E-commerce in internet, e-commerce using e-mail, technology behind the web.	2	Lecture & Activity	Question and Answer
4.	E-Commerce framework – Ecommerce application framework	1	Lecture & Activity	Question and Answer
5.	Security Techniques for e-com. - Need of security in ecommerce,	2	Lecture & Activity	Question and Answer
6.	Cryptography techniques, digital signatures and certificates, virtual private network.	1	Lecture & Activity	Question and Answer
7.	Transaction Processing Systems	1	Lecture & Activity	Question and Answer
8.	M Commerce	1	Lecture & Activity	Question and Answer
Module V	Publishing on the Web and Security	5		
1.	Web Publishing, Learning HTML,	1	Lecture & Activity	Question and Answer
2.	Multimedia Security – Security Life Cycle,	1	Lecture & Activity	Question and Answer
3.	Information Technology and IT enabled services, SOHO infrastructure, the BPO and KPO infrastructure	3	Lecture & Activity	Question and Answer
Module VI	Business Continuity Planning and Disaster Recovery Planning	4		
1.	Meaning-Objectives- Methodology	1	Lecture & Activity	Question and Answer
2.	Eight Phases in Developing BCP-Types of Plans-Threats-Different back up	3	Lecture & Activity	Question and

	Techniques -Alternate Processing Sites			Answer
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Assessment

- 1) 10 marks CIA (assignments and seminar)
- 2) 20 marks (Mid Term)
- 3) 70 marks (ESE)

TEXT BOOKS

BOOKS FOR REFERENCE:

1. Agarwala K. N. & Deeksha Agarwala: *Business on the Net, Bridge to the online store front*, MacMillan, New Delhi.
2. Diwan Parag & Sunil Sharma: *Electronic Commerce, A Manager Guide to E-Business*, Vanity Books International, Delhi.
3. Gordan B Davis: *Management Information Systems*, McGraw Hill International.
4. Kalakota Ravi & A. B. Whinston: *Frontiers of Electronic Commerce*, Addison Wesley.
5. Laudan & Laudan: *Management Information Systems*, Prentice Hall of India, New Delhi.
6. Martin J: *Management Information Systems*, Prentice Hall of India.
7. Murthy C V S: *E-Commerce*, Himalaya Publishing House.
8. Murthy C V S: *Management Information System*, Himalaya Publications.
9. O'Brien James: *A Management Information Systems*, Tata McGraw Hill, New Delhi.
10. Sadagopan S: *Management Information Systems*, Prentice Hall of India.
11. Schneider Gary P: *Electronic Commerce Course*, Technology Delhi.
12. Watson R T: *Electronic Commerce, Strategic Perspective*, Dryden Press.
13. Young Margaret Levine: *Complete Reference to Internet*, TMH.

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Approved By: