



MSC INFORMATION TECHNOLOGY

Course Outline

MIT 3103 Advanced Management Information Systems



Unit Purpose

- To acquire skills of managing Global information systems of business.



Learning Outcomes

- By the end of this unit, the learner should be able to:
 - Apply management concepts learnt to areas of information systems.
 - Manage the information systems of a business organization
 - Manage Global Business Information systems or multinationals and Transnational Companies
 - Model Business Environments For Information systems
 - Manage Data Systems for Global Business



Course Description

- Foundation of information systems in Businesses: systems concepts, Business application development and Management, Managerial challenges of information technology. Competing with Information Technology: fundamentals of strategic advantages, Value chain analysis in Information Technology, Reengineering Business Processes, and Improving Business Quality. Data Resource Management: Database management approaches, Data warehousing and Management, Cloud computing, Virtual companies. Developing Business solutions: Cost benefits analysis, Systems thinking, Environment modelling, Implementing Business systems. Enterprise and Global Management of Information Technology: Managing Global Information Technology, Global Business IT strategies, Cultural, Political and Geo-economics challenges



Chapter 1: Foundation of Information Systems in Businesses

- Systems concepts
- Business application development and Management
- Managerial challenges of information technology.



Chapter 2: Competing With Information Technology

- Strategic advantages
- Value chain analysis in Information Technology
- Porters Model and Information Systems



Chapter 3: Reengineering Business Processes

- Business Process reengineering.
- Steps in business process reengineering.
- The role of information technology in reengineering.



Chapter 4: Data Resource Management

- Database management approaches
- Database Management
- Fundamental Data Concepts
- Database Structures.
- Data warehousing



Chapter 5: Developing Business Solutions

- Cost benefits analysis
- Systems thinking
- Environment modelling
- Implementing Business systems



Chapter 6: Enterprise and Global Management of Information Technology

- Managing Global Information Technology
- Global Business IT strategies
- Cultural, Political and Geo-economics challenges



Chapter 7: Cloud Computing

- Cloud computing models
- Virtual companies
- Benefits and shortcomings.
- Cloud computing service Providers



Assessment

- CATs and Assignments: 40%
- Final Examination: 60%



References

- Management Information Systems by James A Obrien and George Marakas.
- Management Information Systems By Kenneth C. Laudon