

NMIMS Global Access

School for Continuing Education (NGA-SCE)

Program : MBA

Course: INFORMATION SYSTEMS FOR MANAGERS

Session Plan – Jan 2023 cycle

Faculty: Asif Rampurawala

Program: MBA			Term: I		
Course: Information Systems For Managers			Code : RETINFNSYSSFORMANS1		
Teaching Scheme			Evaluation Scheme		
Classroom Session	Practical/ Group work	Tutorials	Credit	InternalAssessment	Term End Examination (TEE)
30		0		30%	70%
Course Rationale: <p>The overall aim of this course is to provide students with an understanding at how to use and manage information system in order to revitalize business processes, improve business decision making, and gain competitive advantage.</p>					
Course Objectives: <p>The aim of this course is:</p> <ol style="list-style-type: none"> 1. To describe the role of information technology and decision support systems in business and record the current issues with those of the firm to solve business problems. 2. To introduce the fundamental principles of computer-based information systems analysis and design and develop an understanding of the principles and techniques used. 3. To provide the theoretical models used in Cloud, Information Security and Data management. 4. To enable the students to use information to assess the impact of the Internet and Internet technology on electronic commerce and electronic business and understand the specific threats and vulnerabilities of computer systems. 					
Learning Outcomes: <ol style="list-style-type: none"> 1. Relate the basic concepts and technologies used in the field of management information systems. 2. Compare the processes of developing and implementing information systems. 3. Outline the role of the ethical, social, and security issues of information systems. 4. Translate the role of information systems in organizations, the strategic management processes, with the implications for the management. 					
Pre-requisite(s): <p>NONE</p>					

Pedagogy:

- Case studies
- Demonstrations
- Group discussions
- Online Lectures with presentations and videos

Textbook:

- NMIMS Course Material
- “Management Information Systems: Managing the Digital Firm”, Kenneth C. Laudon and Jane P. Laudon: 16/e, Pearson Education

Reference Books:

- “Management Information Systems”, Jawadekar, W.S., , Tata McGraw Hill Private Limited, New Delhi, 2009.
- CISA – Certified Information Systems Auditor Study Guide ,Hemang Doshi, Packt Publishing, 2020
- Fundamentals of Information Security, Sanil Nadkarni, BPB Publications
- Philip J, Pratt, Joseph J. Adamski: “Database Management Systems”, Cengage Learning, 2011

Journals:

- MIS Quarterly: Management Information Systems (Publisher Management Information Systems Research Center, USA)
- Information Systems Research by INFORMS Institute for Operations Research and the Management Sciences

Links to websites:

- **International Data Corporation (IDC)** <https://www.idc.com/>
- **FACCTS (Faulkner's Advisory on Computer & Communications Technologies):** <http://www.faulkner.com/showcase/faccts.htm>

Evaluation Scheme:

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|-----------------------|-------------|
| • Internal Assessment | 30% |
| • Term-End Exam | 70% |
| Total | 100% |

Session Plan:

Session	Topic (including subtopics)	Learning Outcomes	Pedagogical Tool	Textbook Chapters & Readings
1	Organisations and Information Systems	<ul style="list-style-type: none"> • Get an overview of the modern organisation • Understand information systems in organisations • Learn to manage information systems in organisations 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 01
2	Concepts of Management Information	<ul style="list-style-type: none"> • Learn to differentiate between data and information • Understand information as a resource 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 02

	Systems	<ul style="list-style-type: none"> • Get an overview of the role of information in organisational functions • Learn about the types of MIS Understand decision making with MIS 		
3	Electronic Commerce, Electronic Business, Electronic Governance	<ul style="list-style-type: none"> • Understand e-commerce technology • Learn doing business over the Internet • Get an overview of electronic governance 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 03
4	Managing Green IT and Smart Cities	<ul style="list-style-type: none"> • Understand the meaning and importance of Green IT • Understand the concepts of greenhouse gases, global warming and carbon footprint • Learn how IT systems can be designed to be green • Learn about some ways in which green IT practices can be followed in organisations • Get an understanding of smart cities 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 04
5	Information Technology Infrastructure and Choices	<ul style="list-style-type: none"> • Understand information technology infrastructures • Get an overview of infrastructure decisions • Learn about infrastructure components • Understand infrastructure solutions 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 05
6	Cloud Computing	<ul style="list-style-type: none"> • Understand cloud computing • Know the rationale for cloud computing • Know about the different types of cloud infrastructure and services • Understand the challenges of migrating to the cloud • Get an understanding of the economics of cloud computing 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 06
7	Internet-of-Things	<ul style="list-style-type: none"> • Understand Internet-of-Things (IoT) • Know about sensors and actuators • Understand the architecture of 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 06

		IoT		
8	Information Systems Security and Control – Part 1	<ul style="list-style-type: none"> • Get an overview of threats to the organisation • Learn about technologies for handling security 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 07
9	Information Systems Security and Control - Part 2	<ul style="list-style-type: none"> • Get an overview of wireless technology • Understand managing security 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 07
10	Information Systems Development and Project Management	<ul style="list-style-type: none"> • Learn analysis of business processes • Get an overview of Life Cycle Models • Understand project management 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 08
11	Managing Data Resources : Concepts	<ul style="list-style-type: none"> • Understand the need for data management • Get an overview of database concepts • Learn about database design 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 09
12	Managing Data Resources : Datawarehouse	<ul style="list-style-type: none"> • Get an overview of data warehouses 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 09
13	Business Process Integration and Enterprise Systems – Part 1	<ul style="list-style-type: none"> • Understand business process integration • Get an overview of enterprise resource planning systems • Learn about supply chain management systems 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 10
14	Business Process Integration and Enterprise Systems – Part 2	<ul style="list-style-type: none"> • Get an overview of customer relationship management system • Learn about challenges of enterprise systems implementations • Understand international information systems 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	Ch 10
15	Syllabus completion /Doubt Clearing/Revision /Case study discussion	<ul style="list-style-type: none"> • Clarifications of Doubts 	<ul style="list-style-type: none"> • PPT • Videos • Caselets 	All
