



QURTUBA UNIVERSITY

Of Science and Information Technology

D.I Khan, Peshawar Khyber Pakhtunkhwa, Pakistan.

Course Name	Management Information System
Course Code	MIS405
Semester	7th
Credit Hours	03
Total Weeks	16/18
Total Hours	48/54
Total Marks	100
Pre-requisite	CS100/CS300

Grading Criteria

Distribution	Weight
Quizzes, Assignments, and class participation	10
Mid Term	20
Final Term	70
Total	100

Course Objectives:

- This course will introduce information systems in the modern enterprise through a survey of information systems technologies and the way they affect management.
- Although the course considers information technology,
- It focuses on management strategies, not technical issues.

Textbooks

- “Management Information System, Managing the Digital Firm” by Kenneth C. Laudon, Jane P. Laudon. 12th Edition, Prentice Hall, India

Reference Material

- Management Information Systems by James O’Brien and George M. Marakas. (10th Edition)
- Harvard Case studies
- Research articles
- Lecture slides
- Journal of Information System
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Week	Description
1.	<ul style="list-style-type: none"> • Role of IS in Business today • Perspectives on IS, • What is IS and its different dimensions • Contemporary Approaches to IS (1.4) MIS Projects
2.	<ul style="list-style-type: none"> • Business process and IS, • how IT enhances Business processes • Types of Business IS, • Systems for different management groups • Systems for linking the Enterprise • Information Systems Functions in business
3.	<ul style="list-style-type: none"> • Organizations and IS, • What is organization and its different features • How IS impact organizations and Business firms • Using Information System to achieve Competitive advantage. • And Porter's Competitive forces model
4.	<ul style="list-style-type: none"> • IS Strategies for dealing with competitive forces and Internet's impact on competitive Advantage • Management Issues for Using Systems for Competitive advantage • IT Infrastructure Components, • Computer Hardware Platforms, • Operating Systems Platforms, • Enterprise software Application
5.	<ul style="list-style-type: none"> • Hardware platform trends, • Mobile Digital Platform, • Grid computing, • Virtualization, • Cloud computing, • Green computing, • Autonomic Computing, • High performance and power saving processors. • Organizing data in traditional file environment and its problems
6.	<ul style="list-style-type: none"> • Database approach to Data management • (using Database to improve business performance and decision making, • Data warehouses , • Tools for business Intelligence and multidimensional data analysis and data mining
7.	<ul style="list-style-type: none"> • Telecommunication and networks in today's business world • communication networks, signals, • types of networks and physical transmission media
8.	<ul style="list-style-type: none"> • The Global Internet, • addressing and Architecture • Internet services and communication tools

9.	<ul style="list-style-type: none"> • The wireless Revolution, cellular Systems, Wireless Computer Networks and Internet Access, • RFID and wireless sensor networks, What are Enterprise Systems? • Enterprise software, • Business value of Enterprise System Supply Chain, • Information and Supply Chain Management and Supply Chain Management software.
10.	<ul style="list-style-type: none"> • What is Customer Relationship Management? • Customer Relationship Management software, • Operational and Analytical CRM, • Business value of CRM System. • Enterprise Applications Challenges, • Next generation Enterprise Applications
11.	<ul style="list-style-type: none"> • E-commerce and Internet, • Why E-commerce is different? • Key concepts of E-commerce • E-commerce business and Technology, • E-commerce types
12.	<ul style="list-style-type: none"> • E-commerce business Models (10.3) Mobile Digital platform, • M-commerce Services and Applications • Decision Making and Information Systems, • Business value of improved decision making, • types of decisions, • decision making process, • managers and decision making in the real world, • high velocity automated decision making
13.	<ul style="list-style-type: none"> • Business intelligence in the Enterprise, • Business intelligence environment • Analytics capabilities, • Management Strategies for developing BI and BA Capabilities
14.	<ul style="list-style-type: none"> • Decision Support for operational and middle management, • Decision Support for senior management: Balance score Card and enterprise performance management methods, • Group Decision Support System (GDSS)
15-16	<p>A comprehensive project on MS Access</p> <p>Presentation (Advance Topics and Projects)</p>

Course Outcomes:

- Enlighten the Management Performance by Generating deeper understanding of information systems and the applicability of IS in different business units.
- This will help to understand the new dimensions of automated work and optimum decision making by generating the good quality DSS.