

Name of the course	Management Information System
Course Code	MGMT-311
Semester	VIII
Credit Hours	3
Prerequisite	-
Learning outcomes	<p>After successful completion of this course, students are expected to have::</p> <ol style="list-style-type: none"> 1. Knowledge about basic concepts about IT/IS systems, functions and important. 2. Understand organizational, business, and strategic issues related with IT/IS Management. 3. Able to analyze and evaluate the IT/IS management practices and future potential.
Contents	<p>Unit-1 Introduction</p> <ol style="list-style-type: none"> 1.1 Management Information System and its Subsystems 1.2 Information Resource Management 1.3 Goals of Information System 1.4 Key Issues and Challenges in MIS <p>Unit-2 System & Models</p> <ol style="list-style-type: none"> 2.1 System 2.2 Components of System 2.3 Environment, Open Vs Specific Models, Levels of Models <p>Unit-3 Models of Organizational System</p> <ol style="list-style-type: none"> 3.1 General Model of Organization 3.2 Strategic Planning Model <p>Unit-4 Management & Decision Making</p> <ol style="list-style-type: none"> 1.7 Management 1.8 Contingency Approach

	<ul style="list-style-type: none"> 1.9 Managerial Decision-Making 1.10 Characteristic of Effective Information 1.11 Types of Decisions, Decision Making Process 1.12 Evaluating Decision Making Process
Unit-5	Roles of Manager, Planning and Control
	<ul style="list-style-type: none"> 2.1 Management Styles
Unit-6	Database Management
	<ul style="list-style-type: none"> 3.1 Over View of Database Management System 3.2 Concept of File 3.3 Limitations of File 3.4 Database Models 3.5 Database Administrator 3.6 SQL, Concurrent Access 3.7 Security, Data Dictionaries
Unit-7	Networking
	<ul style="list-style-type: none"> 4.1 Networks, Exchanging the Information, 4.2 Types of Network LAN, WAN, 4.3 Clients/Servers and Peer-to-Peer Networks 4.4 Networking Topologies 4.5 Networking Media 4.6 Networking Protocols
Unit-8	Transaction Processing
	<ul style="list-style-type: none"> 5.1 Transaction Processing System 5.2 Transaction Processing Cycle 5.3 Transaction Processing Subsystems
Unit-9	Management Reporting System
	<ul style="list-style-type: none"> 6.1 Types of Reports, Structuring Reports 6.2 Role of MRS
Unit-10	Decision Support System (DSS)
	<ul style="list-style-type: none"> 10.1 DSS, Goals and Applications 10.2 Components of DSS 10.3 DSS Development 10.4 Group Decision Support System (GDSS) 10.5 Components, Configuration, Classification and Goals
Unit-11	Executive Information System (EIS)
	<ul style="list-style-type: none"> 11.1 Executive, Executives' Role in Decision-Making 11.2 Executive Decision-Making Environment
Unit-12	Knowledge Based Systems
	<ul style="list-style-type: none"> 12.1 Artificial Intelligence (AI), AI Applications 12.2 Need for Expert Systems (ES) 12.3 Components of ES, Developing ES 12.4 ES Vs. Conventional Applications 12.5 Uses and Limitations of ES
Unit-13	Office Information Systems (OIS)
	<ul style="list-style-type: none"> 13.1 Office and Office Systems 13.2 Types of Office Automation Systems

Teaching & Learning Strategies	A combination of lecturing, presentations, and discussions will be used to conduct the course. Students will be expected to read extensively ahead of each class session and actively participate in discussions and practical work.
Assignment	Written assignment (10 marks), presentation (5 marks) and Quiz (10 marks)
Suggested Readings	<p>Aldarbesti, H., & Saxena, J. P. (2014). Management information system for education. <i>IOSR Journal of Research & Method in Education</i>, 4(1), 36-44.</p> <p>Berisha-Shaqiri, A. (2014). Management Information System and Decision-Making. <i>Academic Journal of Interdisciplinary Studies</i>, 3(2), 19.</p> <p>Laudon, K. C., & Laudon, J. P. (2015). <i>Management information systems</i> (p. 143). Upper Saddle River: Pearson.</p> <p>Paraforos, D. S., Vassiliadis, V., Kortenbruck, D., Stamkopoulos, K., Ziogas, V., Sapounas, A. A., & Griepentrog, H. W. (2016). A farm management information system using future internet technologies. <i>IFAC-PapersOnLine</i>, 49(16), 324-329.</p> <p>Wang, D., Yang, D., Zhou, H., Wang, Y., Hong, D., Dong, Q., & Song, S. (2020). A Novel Application of Educational Management Information System based on Micro Frontends. <i>Procedia Computer Science</i>, 176, 1567-1576.</p>

Assessment and Examinations

Sr. #	Elements	Weightage	Details	Conducting Body
1	Midterm Assessment	15%	Written test (at the mid-point of the semester)	College
2	Formative Assessment	25%	Assignment, presentation and quiz	College
3	Final Assessment	60%	Written test (at the end of the semester)	The University of Punjab, Lahore.