

Program Name: Master of Business Administration

Level: PG

Course / Subject Code: MB01092031

Course / Subject Name: Information Systems and Analytics for Management

Decision Making

w. e. f. Academic Year:	2024-25
Semester:	1
Category of the Course:	Core Course (CC)

Prerequisite:	Any Graduate					
Rationale:	Any Graduate Studying Information Systems and Business Analytics will help students we essential skills to harness data-driven insights for strategic decision-making, enhances their ability to leverage technology effectively, leading to competite advantages in today's digital business landscape. Mastery of these subjects preparent future managers to navigate complexities and innovate within organization ensuring sustainable growth and operational excellence.					

Course Outcome:

After Completion of the Course, Student will able to:

No	Course Outcomes	RBT Level
01	Understand organizational structures, types of decisions, and the role of Information Systems (IS) in a changing business environment	Understand
02	Apply concepts of data mining and analytics to business support functions and industries	Apply
03	Apply different types of Information Systems for strategic business uses.	Apply
04	Analyze the components and applications of Business Intelligence (BI) and	Analyze
	Business Analytics (BA).	

^{*}Revised Bloom's Taxonomy (RBT)

Teaching and Examination Scheme:

Teaching Scheme (in Hours)		Total Credits L+T+ (PR/2)	As	sessment Pat	tern and Ma	rks	Total		
			Theory		Tutorial / Practical		Marks		
	L	T	PR	C	ESE (E)	PA / CA (M)	PA/CA (I)	ESE (V)	
	3	1	0	4	70	30	50	0	150



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Course Content:

Unit No.	Content	No. of Hours	% of Weightage
1.	Organization and Information Systems: The Organization: • Structure, Managers and activities. • The level of people and types of decisions and the information needs. • Changing Environment and its impact on Business – The IT/IS and its influence. Information Systems: • Data, information and its attributes. • Information Systems – meaning functions and dimensions and need. • Categorization of Organizational Information Systems – hierarchical and functional perspective. Strategic business use of IS: • Interdependence between organization and IS IS strategies for competitive advantage using Porter's Five Forces Model and Value Chain Model	10	20
2.	Types of Information Systems: Hierarchical Information Systems: Transaction Processing Systems Management Information Systems Decision Support Systems Executive Support / Information Systems Enterprise Information Systems: Enterprise Resource Planning System (ERP) Supply Chain Management Systems (SCM) Customer Relationship Management Systems (CRM)	10	20
3.	Business Intelligence: Definitions and Examples in Business Intelligence From DSS to BI Need, Features and Use of Business Intelligence (BI) Components of BI Data Warehouse Business Analytics Business Performance Management User Interface	12	30



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NIL
1



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Suggested Specification Table with Marks (Theory):

	Distribution of Theory Marks (in %)							
						T		
	R Level	U Level	A Level	N Level	E Level	C Level		
	0	30%	40%	30%	0	0		

Where R: Remember; U: Understanding; A: Application, N: Analyze and E: Evaluate C: Create (as per Revised Bloom's Taxonomy)

References/Suggested Learning Resources:

(a) Books:

No.	Author	Name of the Book	Publisher	Year of Publication/ Edition
1	Kenneth Laudon, Jane Laudon	Essentials of Management Information Systems	PHI	Latest
2	Kenneth Laudon, Jane Laudon	Information Systems: Managing the Digital Firm Management	Pearson	Latest
3	Stephen Haag, Amy Philips	Business Driven Technology	McGraw Hill	Latest
4	Stephen Haag, Maeve Cummings, Amy Philips	Management Information Systems for the Information Age	McGraw Hill	Latest
5	W .S .Jawadekar	Management Information Systems	ТМН	Latest
6	Raymond Mc Leodand George P.Schell	Management Information systems	Pearson	Latest
7	Ramesh Sharda, Dursun Delen, Efraim Turban	Business Intelligence: A Managerial Perspective on Analytics	Pearson	Latest
8	R. N. Prasad and Seema Acharya	Fundamentals of Business Analytics	Wiley	Latest
9	U. Dinesh Kumar	Business Analytics – The Science of Data-Driven	Wiley	Latest



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		Decision-Making		
10	Anil Maheshwari	Data Analytics	McGraw Hill	Latest
11	Jesper Thorlund & Gert	Business Analytics for	Wiley	Latest
	H.N. Laursen	Managers: Taking		
12	Sahil Raj	Business Analytics	Cengage	Latest

Note: Wherever the standard books are not available for the topic appropriate print and online resources, journals and books published by different authors may be prescribed.

(b) List of Journals /Periodicals /Magazines/Newspapers/Web resources, etc.

- 1. MIS Quarterly ,University of Minnesota
- 2. CIO
- 3. Computer Express
- 4. Digichip
- 5. PC World
- 6. Computer Shopper
- 7. Dataquest

CO- PO Mapping:

Semester 1	Information	Information Systems and Analytics for Management Decision Making						
		POs						
Course Outcomes	PO1	PO2	PO3	PO4	PO5			
CO1	3	2	3	3	2			
CO2	2	-	-	3	-			
CO3	2	2	1	-	3			
CO4	3	3	2	3	3			

Legend: '3' for high, '2' for medium, '1' for low and '-' for no correlation of each CO with PO.

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