

SEMESTER-IV

GANPAT UNIVERSITY									
FACULTY OF MANAGEMENT STUDIES									
Program	MBA		Branch/Spec.		MBA (Business Analytics) Elective Subject				
Semester	IV				Version	1.0.0.0			
Effective from Academic Year			2025-26		Effective for the batch Admitted in			June 2025	
Subject code		IVA01BPI		Subject Name		Business Process Integration through ERP Systems			
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	2	0	0		2	Theory	100		100
Hours	2	0	0		30	Practical			
Objective: To provide MBA students with a strategic framework for understanding, evaluating, and managing Enterprise Resource Planning (ERP) systems as a central driver of business process integration, operational excellence, and competitive advantage.									
Course Outcome: CO 1: The students will be able to explain the strategic rationale for ERP systems and their evolution from legacy systems to modern integrated platforms. CO 2: The students will be able to analyze how core ERP modules support and integrate key end-to-end business processes like order-to-cash and procure-to-pay. CO 3: The students will be able to evaluate the critical success factors, risks, and strategic decisions involved in an ERP implementation lifecycle. CO 4: The students will be able to formulate a high-level strategy for managing and leveraging a modern ERP system, considering cloud deployment, analytics, and future trends.									
Theory syllabus									
Unit	Content								Hrs
1	Foundations of Business Integration & ERP, The Challenge of Business Silos & Functional Systems, What is an ERP System? A Managerial Definition, The Evolution: From MRP, MRP II to ERP, The Value Proposition: A Single Source of Truth, The ERP Vendor Landscape (SAP, Oracle, Microsoft Dynamics), ERP Architecture: Modules, Database, Tiers (Conceptual)								6
2	ERP Modules and Core Business Processes, Financials (FI/CO): General Ledger, AP/AR, Controlling, Supply Chain (SCM): Procurement (MM) & Sales/Distribution (SD), Human Capital (HCM): Core HR, Payroll, Talent Management, Manufacturing (PP): Production Planning & Control, Integration in Action: The Order-to-Cash Process, Integration in Action: The Procure-to-Pay Process, The Role of Master Data in Process Integration.								8
3	ERP Implementation Strategy, The ERP Implementation Lifecycle: From Planning to Go-Live, Implementation Strategies: Big Bang vs. Phased Rollout, On-Premise vs. Cloud (SaaS) ERP: A Strategic Comparison, Selecting the Right ERP & Implementation Partner, Building the Business Case: Calculating TCO & ROI, Critical Success Factors & Top Reasons for Failure, The Central Role of Change								8

	Management & User Adoption.	
4	Strategic ERP Management and Future Trends, Post-Implementation: Governance, Support & Optimization, Customization vs. Configuration: Strategic Trade-offs, ERP & Business Intelligence: Embedded Analytics & Reporting, The Role of AI & RPA in Automating ERP Processes, The Future: Two-Tier & Composable ERP Strategies, Managing Data Migration & System Upgrades, ERP Security & Access Controls (Conceptual).	8
Practical content		
Reference Books		
1.	Magal, Simha R., and Word, Jeffrey. Integrated Business Processes with ERP Systems. Wiley, 2011.	
2.	Monk, Ellen, and Wagner, Bret. Concepts in Enterprise Resource Planning. 4th Edition, Cengage Learning, 2012.	
3.	Davenport, Thomas H. "Putting the Enterprise into the Enterprise System." Harvard Business Review, 1998.	
4.	Rogers, David L. The Digital Transformation Playbook: Rethink Your Business for the Digital Age. Columbia Business School Publishing, 2016.	
5.	Leon, Alexis. Enterprise Resource Planning. 3rd Edition, Tata McGraw-Hill, 2014.	
6.	Wallace, Thomas F., and Kremzar, Michael H. ERP: Making It Happen - The Implementers' Guide to Success with Enterprise Resource Planning. Wiley, 2001.	
7.	Ross, Jeanne W., et al. Designed for Digital: How to Architect Your Business for Sustained Success. MIT Press, 2019.	
8.	Bradford, Marianne. Modern ERP: Select, Implement, and Use Today's Advanced Business Systems. 4th Edition, The coro capitalizing company, 2020.	
9.	O'Leary, Daniel E. Enterprise Resource Planning Systems: Systems, Life Cycle, Electronic Commerce, and Risk. Cambridge University Press, 2000.	
10.	Westerman, George, et al. Leading Digital: Turning Technology into Business Transformation. Harvard Business Review Press, 2014.	