

GANPAT UNIVERSITY

FACULTY OF MANAGEMENT STUDIES

Programme	Master of Business Administration			Branch/Spec.	Supply Chain Management				
Semester	IV			Version	1.0.0.0				
Effective from Academic Year	2021-22			Effective for the batch Admitted in	June 2020				
Subject code	IVA06POE		Subject Name	PRINCIPLES OF ERP					
Teaching scheme				Examination scheme (Marks)					
(Per week)	Lecture(DT)		Practical(Lab.)		Total	CE	SEE	Total	
	L	TU	P	TW					
Credit	4	0	0	0	4	Theory	60	40	100
Hours	4	0	0	0	4	Practical	-	-	-

Pre-requisites:

Objectives: The course is designed to provide basic knowledge & understanding of typical ERP systems, and the advantages and limitations of implementing such systems;

Learning Outcome:

On successful completion of the course the students will be able to :

- IVA06POE.CO1: Understand the development, structure, and importance of ERP systems and their role in integrating business processes across functions.
- IVA06POE.CO2: Apply ERP modules for marketing, sales, and customer relationship management to improve business efficiency and customer satisfaction.
- IVA06POE.CO3: Analyze production, supply chain, and accounting information flows through ERP systems for operational and decision-making improvements.
- IVA06POE.CO4: Evaluate HR, process modelling, ERP implementation, and emerging technologies such as BI, RFID, and Cloud in digital business transformation.

Theory syllabus

Unit	Content	Hrs
1	Development of ERP systems: Functional area information systems; Evolution of information systems; ERP software emerges: SAP and R/3; ERP for mid-sized and smaller companies; Choosing consultants and vendors; Significance and benefits of ERP software and systems	10
2	Marketing Information Systems and Sales Order Process: Sales and Distribution in ERP; Standard order in SAP ERP; Customer Relationship Management (CRM)	10
3	Production and SCM Information systems: Production Planning Process: SAP ERP Approach to Production Planning; MATERIALS REQUIREMENTS PLANNING (MRP); ERP and Suppliers: Accounting in ERP: Accounting Activities, Operational Decision-making Problem: Credit Management; Product Profitability Analysis, Management Reporting with ERP systems	10
4	HR Process with ERP: Human Resources with ERP software; Advanced SAP ERP Human Resources features, Additional Features	10
5	Process modelling, process improvement, and ERP Implementation: Process Modeling, Process Improvement, ERP work flow tools, Implementing ERP systems; Implementation and Change Management	10
6	RFID, Business intelligence, Mobile computing, Cloud: Radio Frequency Identification (Rfid) Technology; Business Intelligence/Business Analytics; In-Memory Computing, Mobile Computing; From Internet-Enabled To Cloud Computing	10

Practical content

Text Books

1. Concept of Enterprise Resource Planning, Fourth Edition, Monk & Wagner
2. Enterprise Resource Planning a Managerial Perspective by - D P Goyal

Reference Books/Websites

Mapping of CO with PO and PSO:

Semester 4: Course Name: IVA06POE PRINCIPLES OF ERP							
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7
IVA06POE.CO1	2	3	2	3	0	2	2
IVA06POE.CO2	2	3	3	2	3	1	2
IVA06POE.CO3	3	2	1	2	2	3	0
IVA06POE.CO4	2	2	3	2	1	2	2

Semester 4: Course Name: IVA06POE PRINCIPLES OF ERP			
Course outcomes	PSO1	PSO2	PSO3
IVA06POE.CO1	2	2	2
IVA06POE.CO2	2	3	1
IVA06POE.CO3	1	3	0
IVA06POE.CO4	2	2	2