GANPAT UNIVERSITY

FACULTY OF ENGINEERING & TECHNOLOGY

Programme	Bachelor of Technology		Branch/Spec.	Information Technology	
Semester	VI		Version	2.0.0.0	
Effective from Academic Year	2016-17		Effective for the batch Admitted in		July 2014
Subject code	2IT606	Subject Name	IT Industry Management		

Teaching scheme						Examination scheme (Marks)			
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	3	0	1	-	4	Theory	40	60	100
Hours	3	0	2	-	5	Practical	30	20	50

Pre-requisites:

Basics of Technology Trends in IT

Learning Outcome:

After successful completion of this course, student will be able to:

- understand and analyze various components of IT Infrastructure and emerging technologies used in business.
- analyze how to develop and coordinate IT systems strategies, plans and management initiatives within small, medium and large corporate enterprises.
- analyze the performance and operational excellence in business.
- Study concerns in business like ethics, security, finance in corporate IT systems.

Theory syllabus

Unit	Content	Hrs
1	**IT Infrastructure and Emerging Technologies:** IT Infrastructure and Platform Trends, The Emerging Mobile Digital Platform, Contemporary, Software Platform, Mashups and Widgets, Software Outsourcing and Cloud Services, Management Issues , Trends like Big Data, Cloud Computing and Services	08
2	**Foundations of Business Intelligence: Databases and Information Management:** Organizing Data in a Traditional File and the Database Approach to Data Management Using Databases to Improve Business Performance and Decision Making: Data Warehouses, Tools for Business Intelligence, Multidimensional Data Analysis, and Data Mining Establishing an Information Policy, Ensuring Data Quality	05
3	**Securing Information Systems:** System Vulnerability and Abuse, Business Value of Security and Control: Information Protection Laws in the Arab World, Electronic Evidence and Computer Forensics. Establishing a Framework for Security and Control, Technologies and Tools for Protecting Information Resources	06
4	**Achieving Operational Excellence:** Enterprise Systems: What Are Enterprise Systems? , Enterprise Software Business Value of Enterprise Systems, Lifecycle, Cost Estimation, Benefits Realization. Enterprise Applications: New Opportunities and Challenges ,Enterprise Application Challenges	04
5	**Managing Information Systems Projects:** The Importance of Project Management: Runaway Projects and System Failure, Project Management Objectives, Selecting Projects: Management Structure for Information Systems Projects, Establishing the Business Value of Information and Managing Project Risk Change Management and Configuration Management	04
6	**Managing Global Systems:** The Growth of International Information Systems: Developing an International Information Systems Architecture, the Global Environment: Business Drivers and Challenges, State of the Art. Organizing International Information Systems Managing Global Systems, Technology Issues	04

	and Opportunities for Global Value Chains	
7	**Performance and Tuning:** Introduction, Perceived performance, Determining performance during design, Using vector experience, Prototyping, Managing bottlenecks, Using benchmarks, Performing performance tests, Sources of performance matrix, Kernel counters, SNMP counters, Logging. Performance and Tuning applied to major resources: Servers, Disk Storage, Database and Network	04
8	**IT Ethics, Legislation and Outsourcing :** Introduction ,Legislation act and outsourcing and Integrating System Management Processes	04
Practical content		
Experiments/Practicals/Simulations would be carried out based on syllabus		
Text Books		
1	Rich Schiesser, IT Systems Management, Prentice hall	
Reference Books		
1	Ken Laudon,Jane Laudon and Rajanish Dass, Management Information System, Pearson Pub	
2	Sjaak Laan, It Infrastructure Architecture - Infrastructure Building Blocks and Concepts , Lulu press Inc	
3	Prof Phalguni Gupta, Mr. Surya Prakash, Umarani Jayaraman IT Infrastructure and its Management Paperback, Tata Mac graw hill education pvt ltd	
4	Bill Holtsnider,Brian D. Jaffe ,IT Manager's Handbook,: Getting your new job doneMorgan Kaufmann publishers	
5	Ross J. Anderson, Security Engineering: A Guide to Building Dependable Distributed Systems,Wiley	