

7901

Course : DCA
Sub Code : 2DCA1

Semester : II
Subject Name : IT Trends and Technologies

Unit	Lectures	Practical's	Workshops	Demo	Field Visits	Total Hours	Remarks
UNIT-I Introduction to Distributed system, Advantage and Disadvantage of Distributed System, Artificial Intelligence and Expert system- Concepts of AI & Expert Systems, Merits and Demerits of Expert system, Application of Expert system and AI.	8					8	
UNIT-II Introduction to Virtual Reality and multimedia: Introduction, Brief History of virtual reality, Present uses of virtual reality, various software of multimedia.	8					8	
UNIT-III E-Commerce: an Introductions, Concepts, Advantages and Disadvantages, Technology in E- Commerce, Benefits and impact of e-commerce, Electronic Payment Systems: Introduction, Types of Electronic Payment Systems.	8					8	
UNIT-IV CELLULAR TRANSMISSION: Radio Frequency Communications, Wireless Services Wireless & Mobile Computing, Cellular System Cell, Mobile Switching office, Hands off, Base Station, Frequency Reuse and Cluster.	8					8	
UNIT-V E-governance, e-democracy, Government efforts to encourage citizen participation Privacy and Security Issues, Information security management Digital Divide, Introduction of Cyber Crime, various site for e-governance .	8					8	
TEXT & REFERENCE BOOKS: <ul style="list-style-type: none"> • <i>FUNDAMENTALS OF INFORMATION TECHNOLOGY BY ALEX LEON & MLEON, VIKAS PUBLICATIONS,</i> • <i>FRONTIERS OF ELECTRONIC COMMERCE, BY- KALAKOTA, RAVI; STONE, TOM; WHINSTON, ANDREW B, ADDISON WESLEY PUBLISHING CO, ISBN 8178080575</i> • <i>E-COMMERCE AN INDIAN PERSPECTIVE (SECOND EDITION) BY PT JOSEPH, S.J. PRENTICE-HALL OF INDIA</i> • <i>RECENT MAGAZINES OF COMPUTERS AND COMMUNICATION</i> 							