MANAGEMENT INFORMATION SYSTEMS

II Semester: MBA							
Course Code	**Category**	**Hours / Week**			**Credits**	**Maximum Marks**	

Course Code	**Category**	**L**	**T**	**P**	**C**	**CIA**	**SEE**	**Total**
CMBC19	**Core**	3	-	-	3	30	70	100

Contact Classes: 45	**Tutorial Classes: Nil**	**Practical Classes: Nil**	**Total Classes: 45**

I. COURSE OVERVIEW:

The course focuses on the importance of management, management concepts, and management practices with the study of human behaviour within organizations. The primary goal of this course is to provide knowledge on advanced leadership roles in modern organization. This course will create awareness of various information system solutions like ERP, CRM, Data warehouses and the issues in successful implementation of technologies in any organization.

II. COURSE OBJECTIVES:
The students will try to learn:

I.   Information systems and its various categories.
II. Different business applications of information systems.
III. The underlying principles of information system security and control.
IV. The concept of system development stages, approaches, systems analysis, and design.
V.   The tools for MIS that helps in strategic planning, management control, operational control and transaction processing.

III. COURSE OUTCOMES:
After successful completion of the course, students will be able to:

CO 1: Summarize the basic concepts of management information system and their process to formulate strategic planning, operational planning and management control.
CO 2: Define the structure and classification of management information systems to implement information systems in an organization.
CO 3: Narrate electronic commerce and enterprise resource planning systems that help to take decisions in the selection, creation, and evaluation of computer-based systems.
CO 4: Integrate the concept of database management systems and their types to take decisions in organizations.
CO 5: Determine information system planning, acquisition, and implementation to improve the performance of the company.
CO 6: Describe the maintenance of information systems that help to satisfy organizational and user requirements.
CO 7: Analyze system development stages and business information to facilitate and evaluate strategic alternatives.
CO 8: Demonstrate systems analysis and its importance in solving organizational problems.
CO 9: Analyze the concept of cybercrime and resolve security issues to protect an IT infrastructure.
CO 10: Apply different MIS models to facilitate and attain efficient decision making in an organization.

IV. SYLLABUS:

UNIT-I	INTRODUCTION	Classes:08

Management information system importance, definition, nature and scope of management information system, structure and classification of management information system, information and systems concept, types of information, information systems for competitive advantage.

UNIT-II	BUSINESS APPLICATIONS OF INFORMATION SYSTEM	Classes:08

Electronic commerce, enterprise resource planning systems, decision support system, businessintelligence and knowledge management system.

UNIT-III	MANAGEMENT OF INFORMATION SYSTEM	Classes:10

Information system planning, system acquisition, systems implementation.

Evaluation and maintenance of information system, information system security and control.

UNIT-IV	BUILDING OF INFORMATION SYSTEMS	Classes: 10

System development stages, system development approaches, systems analysis and design, requirementdetermination, strategies for requirement determination, structured analysis tools, system design, design objectives, conceptual design, design methods and detailed system design.

UNIT-V	TOOLS OF MANAGEMENT INFORMATION SYSTEM	Classes: 09

System development models: Waterfall model, system development life cycle, v-model, computer-assisted and software engineering tools, prototype iterative model, evaluation & maintenance, alternative methods for building information systems, new approaches for system building in the digital firm era.

Text Books:

1. Rainer, R. Kelly, and Brad Prince, "Introduction to information systems", John Wiley & Sons, 4th Edition, 2021.
2. Laudon & Laudon, "Management Information Systems", Pearson, 12th Edition, 2015.
3. Murthy, "Management Information System, Himalaya", 9th Edition, 2013.
4. S.A.Kelkar, Software Project Management-A Concise Study, PHI, 3rd Edition, 2012.
5. James O'Brien & George Marakas, "Management Information Systems", McGraw Hill, 10th Edition, 2011.
6. David M. Kroenke, "Experiencing MIS", Prentice Hall, 4th Edition, 2011.
7. D P Goyal, Management Information Systems, Managerial Perspective, MacMillan, 3rd Edition, 2010.

Reference Books:

1. Ken Laudon, Jane P. Laudon, Management Information Systems, Pearson education, 15th Edition, 2015.
2. Jennifer LBayuk, Jason Healey, Paul Rohmeyer, Marcus H.Sachs, Jeffrey Schmidt, Joseph Weiss, Cyber security Policy Guidebook, Wiley, 1st Edition,2012.
3. A K Gupta, Sharma "Management of Systems" Macmillan, 1st Edition, 2012.

Web References:

1. http://www.ijcse.com/docs/IJCSE11-02-01-054.pdf
2. http://www.pitt.edu/~druzdzel/psfiles/dss.pdf

E-Text Books:

1. https://www.scribd.com/doc/252519209/Decision-Support-Systems-and-Intelligent-Systems-7th-Edition-Free-eBook-Download
2. http://link.springer.com/book/10.1007%2F978-3-540-48713-5
3. https://www.jerrypost.com/Books/MISBook/Bookfiles5/Chapters/MISPost-Preface-500.pdf
4. https://www.researchgate.net/profile/Javed-Saani/publication/340647719_Management_Information_Systems/links/5eb7f7fe299bf1287f782bb5/Management-Information-Systems.pdf
5. https://repository.dinus.ac.id/docs/ajar/Kenneth_C.Laudon,Jane_P_.Laudon_Management_Information_Sysrem_13th_Edition_.pdf