INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

MASTER OF BUSINESS ADMINISTRATION

COURSE INFORMATION SHEET

Course Title	Management Information System and Enterprise Resource Planning			
Course Code	CMB009			
Programme	MBA			
Semester	II			
Course Type	Foundation			
Regulation	IARE - R16			
Course Structure	Lectures	Tutorials	Practicals	Credits
	3	-	-	3
Course Coordinator	P. Aditya Sharma, Assistant Professor, CSE.			
Course Faculty	P. Aditya Sharma, Assistant Professor, CSE.			

I. COURSE OVERVIEW:

The course focuses on the objectives, importance of management, management concepts, and organization study of management principles and practices with the study of human behavior within organizations. The focus will be upon translation of management and organizational behavior theory to practices that result in an organizational effectiveness, efficiency, and human resource development. The primary goal of this course is to prepare students for advanced leadership roles in modern organization. This course will provide a good foundation for students intending to study in any major, as the main objective of this course is to provide students with the essential content and experiences they need to become a motivating student, successful manager and an effective employee in any type of work they do in the future. By taking the course students will understand themselves and other people at work and will be able to learn how to create effective work groups to be successful in life.

II. COURSE PRE-REQUISITES:

Level	Course Code	Semester	Prerequisites	Credits
PG	CMB101	I	IT Applications for Business	2

III. MARKS DISTRIBUTION:

Subject	SEE Examination	CIA Examination	Total Marks
Management Information System and Enterprise Resource Planning	70 Marks	30 Marks	100

SEMESTER END EXAMINATION (SEE):

The SEE is conducted for 70 marks of 3 hours duration. The syllabus for the theory courses is divided into FIVE units and each unit carries equal weight age in terms of marks distribution. The question paper pattern is as follows: Two full questions with „either" „or" choice will be drawn from each unit. Each question carries 14 marks.

CONTINUOUS INTERNAL ASSESSMENT (CIA):

CIA is conducted for a total of 30 marks, with 25 marks for Continuous Internal Examination (CIE) and 05 marks for Quiz / Alternative Assessment Tool (AAT).

CONTINUOUS INTERNAL EXAMINATION (CIE):

The CIE exam is conducted for 25 marks of 2 hours duration consisting of two parts. Part– A shall have five compulsory questions of one mark each. In part–B, four out of five questions have to be answered where, each question carries 5 marks. Marks are awarded by taking average of marks scored in two CIE exams.

QUIZ / ALTERNATIVE ASSESSMENT TOOL (AAT):

Two Quiz exams shall be online examination consisting of 20 multiple choice questions and are be answered by choosing the correct answer from a given set of choices (commonly four). Marks shall be awarded considering the average of two quizzes for every course. The AAT may include seminars, assignments, term paper, open ended experiments, micro projects, five minutes video and MOOCs.

IV. DELIVERY / INSTRUCTIONAL METHODOLOGIES:

√	CHALK & TALK	√	QUIZ	√	ASSIGNMENTS	X	MOOCs
√	LCD / PPT	√	SEMINARS	X	MINI PROJECT	X	VIDEOS
X	OPEN ENDED EXPERIMENTS						

V. ASSESSMENT METHODOLOGIES – DIRECT:

√	CIE EXAMS	√	SEE EXAMS	√	ASSIGNEMNTS	√	SEMINARS
X	LABORATORY PRACTICES	X	STUDENT VIVA	X	MINI PROJECT	X	CERTIFICATION
X	TERM PAPER						

VI. ASSESSMENT METHODOLOGIES – INDIRECT:

√	ASSESSMENT OF COURSE OUTCOMES (BY FEEDBACK, ONCE)	√	STUDENT FEEDBACK ON FACULTY (TWICE)
X	ASSESSMENT OF MINI PROJECTS BY EXPERTS		

VII. COURSE OBJECTIVES:

The course should enable the students to:

I. Gain the knowledge to increase the effectiveness and decision making process.
II. Assess compression between computer system and decision support system help the department in their daily work and solve problems.
III. Provide alternatives to solve new and non-repeated problems.
IV. Understand the business applications in information systems.

VIII. COURSE LEARNING OUTCOMES:

Students who complete the course will have demonstrated the ability to do the following:

S. No	Description
CCMB009.01	Identify and understand the importance of management information system, nature and scope of management information system.

CCMB009.02	Discuss the structure and classification of management information system.
CCMB009.03	Analyze information and systems concept, types of information.
CCMB009.04	Identify the information systems for competitive advantage.
CCMB009.05	Explain Electronic commerce, enterprise resource planning systems.
CCMB009.06	Identify the concept of decision support system.
CCMB009.07	Explain business intelligence and knowledge management system.
CCMB009.08	Evaluate Information system planning, system acquisition.
CCMB009.09	Demonstrate the systems implementation.
CCMB009.10	Evaluate Evaluation and maintenance of information system.
CCMB009.11	Apply information system security and control.
CCMB009.12	Analyze System development stages, system development approaches.
CCMB009.13	Design the systems analysis and design, requirement determination, strategies for requirement determination.
CCMB009.14	Analyze structured analysis tools, system design, design objectives, conceptual design.
CCMB009.15	Examine various design methods and detailed system design.
CCMB009.16	Identify Cybercrime definition and origin of the word.
CCMB009.17	Examine the cybercrime and information security, who are cyber criminals,
CCMB009.18	Discuss the classification of cyber criminals legal perspectives
CCMB009.19	Analyze the Indian perspectives, cybercrimes and Indian ITA 2000.
CCMB009.20	Evaluate and identify the global perspective on cybercrime era

IX. HOW PROGRAM OUTCOMES ARE ASSESSED:

Program Outcomes(POs)		Level	Proficiency Assessed by
PO1	Ability to apply Management fundamentals in practical world.	H	Lectures and Assignments.
PO2	Ability to identify, formulate, and solve Managerial problems	N	-------
PO3	Demonstrate abilities such as initiative taking and innovative thinking in their acts	N	Assignments and Lectures.
PO4	An ability to function in multi-disciplinary teams.	N	-------
PO5	To inculcate zeal of self-learning.	S	Seminars
PO6	Enhancing entrepreneurship abilities so that the students induced to Undertake independent ventures.	H	Lectures and Assignments.
PO7	An ability to understand professional and ethical responsibility.	N	-------
PO8	An ability to communicate effectively	H	Seminars
PO9	Enhancing knowledge of contemporary issues.	S	Assignments and Seminars.
PO10	Recognition of the need for, and an ability to engage in life-long learning	N	--------
PO11	An ability to understand the impact of Managerial solutions in a Global, economic, environmental, and societal context.	H	Lectures and Assignments
PO12	Ensuring holistic development of students.	N	-------

N= None **S= Supportive** **H = Highly Related**

X. HOW PROGRAM SPECIFIC OUTCOMES ARE ASSESSED:

Program Specific Outcomes(PSOs)		Level	Proficiency Assessed by
PSO1	**Professional Skills:** Able to utilize the knowledge of management practices in innovative, dynamic and challenging environment in the organizations.	H	Lectures, Assignments
PSO2	**Creativity:** Create value through identifying customer needs and implementing integrated production and distribution of goods, services and information.	S	Assignments
PSO3	**Problem-Solving Skills:** Can develop capacity to adapt and innovative to solve problems, to cope with unforeseen events and to manage in unpredictable environments.	H	Assignments and Lectures
PSO4	**Successful Career and Entrepreneurship:** An understanding of social awareness and environmental wisdom along with ethical responsibility to have a successful career and to sustain passion and zeal for real world applications using optimal resources as an Entrepreneur.	H	-------

N – None S – Supportive H - Highly Related

XI. SYLLABUS:

UNIT – I **INTRODUCTION:** 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:** Electronic commerce, enterprise resource planning systems, decision support system, business intelligence and knowledge management system.
UNIT – III **MANAGEMENT OF INFORMATION SYSTEM:** Information system planning, system acquisition, systems implementation. Evaluation and maintenance of information system, information system security and control.
UNIT – IV **BUILDING OF INFORMATION SYSTEMS:** System development stages, system development approaches, systems analysis and design, requirement determination, strategies for requirement determination, structured analysis tools, system design, design objectives, conceptual design, design methods and detailed system design.
UNIT – V **INTRODUCTION TO CYBER CRIME:** Cybercrime definition and origin of the word, cybercrime and information security, who are cyber criminals, classification of cyber criminals legal perspectives, Indian perspectives, cybercrimes and Indian ITA 2000, global perspective on cybercrime era.

TEXT BOOKS:

T1	D P Goyal, "Management Information Systems", Managerial Perspective, MacMillan, 3rd Edition, 2010.
T2	Kelkar, "Management Information Systems", PHI, 2012.

REFERENCES:

1	Laudon and Laudon, "Management Information Systems", Pearson, 2015.
2	Nina Godbole and Sunit Belapure, “Cyber Security”, Wiley India, 2012.

XII. COURSE PLAN:

Lecture No.	Learning Objectives	Topics to be covered	Reference
1-5	Meaning, importance, of management and how it works in an organization.	Management information system importance, nature and scope of management information system. Structure and classification of management information system.	T1 - 1.1 to 1.8
6-8	Objectives, significance of scientific management and explain rule of thumb	Information and systems concept	T1 - 2.1
9-11	Subordination of individual interest to group interest and how it is useful in organization	Types of information, information systems for competitive advantage	T1 - 2.3 - 2.12
12-15	Maslow's hierarchy and why it is important in management	Electronic commerce, enterprise resource planning systems	T1 – 7.1-7.9 T1 - 8.1-8.3
16-18	**A**dministration theory what are the principles to be followed in the view of management	Decision support system	T1 – 9.1-9.8
19-21	Meaning , of management science and explain about system theory	Business intelligence and knowledge management system	T1- 9.9 -9.10
22-24	Different types of theories and explain them with the suitable examples	Information system planning	T1 - 10.1 - 10.5
25-32	Creative and innovative alternative solutions write about creative problem solving.	System acquisition, systems implementation	T1 – 11.1 - 11.3 T1 – 14.1 - 14.5
33-35	Meaning, definition, advantages and disadvantages of decision making model.	Evaluation and maintenance of information system	T1 – 15.1 - 15.8
36-38	Meaning , advantages decision structure and how to implement a decision in management	Information system security and control	T1 - 16.1 - 16.6
39-42	Meaning , objectives, of v room participative decision making model	System development stages, system development approaches	T1- 12.1 - 12.4
43-45	Decision making process is done in an organization and what are the steps followed.	Systems analysis and design, requirement determination	T1- 13.1 - 13.3
46-48	Select the most feasible plan in management	Strategies for requirement determination, structured analysis tools	T1 - 13.4 - 13.5
49-51	Decision making model and decision structure	System design, design objectives	T1 - 13.6
52-54	Briefly about decision structure rational methods	Conceptual design, design methods and detailed system design	
55-58	How to implement decision and how it is controlled	Cybercrime definition and origin of the word	
59-63	V' rooms participative decision making model	Cybercrime and information security. who are cyber criminals	
64-68	Advantages and disadvantages of decision making	classification of cyber criminals legal perspectives	
69-71	Set the objectives and explain the criteria of management	Indian perspectives, cybercrimes and Indian ITA 2000, global perspective on cybercrime era	

XIII.

XIV. GAPS IN THE SYLLABUS - TO MEET INDUSTRY / PROFESSION REQUIREMENTS:

S. NO	DESCRIPTION	PROPOSED ACTIONS	RELEVANCE WITH POs	RELEVANCE WITH PSOs
1	Critically evaluate the nature and effects of preconceptions.	Seminars	PO 1, PO 2, PO 5	PSO 1
2	Confidently interacted with others in a number of organizational settings.	Seminars	PO 2, PO 5, PO 9	PSO 1
3	Develop competencies, together with intrapersonal and interpersonal skills, through participation in a group project.	Seminars	PO 1, PO 5, PO 12	PSO 3

XV. MAPPING COURSE OBJECTIVES LEADING TO THE ACHIEVEMENT OF PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES:

Course Objectives (COs)	Program Outcomes (POs)												Program Specific Outcomes (PSOs)			
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
I	H	-	-	-	-	H	S	-	S	H	H	-	H	S	S	S
II	S	-	S	-	S	H	-	-	S	S	H	-	S	S	S	S
III	H	-	H	-	-	S	S	-	-	S	H	-	S	S	H	H
IV	S	-	H	-	H	-	S	-	S	-	S	-	H	S	S	S

S= Supportive **H = Highly Related**

XVI. MAPPING COURSE LEARNING OUTCOMES LEADING TO THE ACHIEVEMENT OF PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES:

Course Learning Outcomes (CLOs)	Program Outcomes (POs)												Program Specific Outcomes (PSOs)			
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO2	PSO 3	PSO 4
CCMB009.01	S	S	-	-	-	-	-	-		-	-	S	S	-	-	-
CCMB009.02	S	S	-	-	-	-	-	-	S	S	-	S	S	-	-	-
CCMB009.03	-	S	-	-	-	-	-	-	S	-	-	-	-	-	-	-
CCMB009.04	-	-	-	-	S	-	-	-	S	S	-	S	S	-	-	-
CCMB009.05	-	-	-	-	S	-	-	-	-	S	-	-	-	-	S	-
CCMB009.06	-	S	-	-	-	-	-	-	-		-	H	S	-	-	-
CCMB009.07	S	S	-	-	S	-	-	-	S	-	-	S	H	-	-	-
CCMB009.08	S	S	-	-	-	-	-	-	-	-	-	S	S	-	-	H
CCMB009.09	H	H	-	-	S	-	-	-	S	-	-	H	S	-	-	-
CCMB009.10	S	-	-	-	-	-	-	-	S	S	-	S	S	-	-	S
CCMB009.11	H	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCMB009.12	H	H	-	-	-	-	-	-	S	S	-	H	S	-	S	-
CCMB009.13	S	S	-	-	S	-	-	-	-	-	-	S	H	-	-	-
CCMB009.14	-	-	-	-	S	-	-	-	-	-	-	S	S	-	S	-
CCMB009.15	-	-	-	-	-	-	-	-	-	S	-	-	S	-	-	-
CCMB009.16	-	-	-	-	S	-	-	-	-	-	-	-	H	-	S	-
CCMB009.17	-	-	-	-	S	-	-	-	-	H	-	S	S	-	S	-
CCMB009.18	H	H	-	-	-	-	-	-	S	S	-	H	S	-	S	-
CCMB009.19	S	S	-	-	S	-	-	-	-	-	-	S	H	-	-	-
CCMB009.20	-	-	-	-	S	-	-	-	-	-	-	S	S	-	S	-

S= Supportive **H = Highly Related**

XVII. DESIGN BASED PROBLEMS (DP) / OPEN ENDED PROBLEM:

1. How current state of affairs and a future desired state can be described as the gap.
2. Why Manager develops a working hypothesis about a problem exists in organization and draws a chart of the management barrier.
3. Why behavior modification is basically a treatment approach and writes the observations of the treatment approach.
4. What are the techniques is represented in a cycle based environment in organization and explain the barriers in management behavior.

Prepared by:
P. Aditya Sharma,
Assistant Professor,
CSE Department.

HOD, MASTER OF BUSINESS ADMINISTRATION