K L U B S

Course Handout for 3RD YEAR BBA

A.Y.2017-18, VITH Semester

Course Name	**: MANAGEMENT INFORMATION SYSTEMS**
Course Code	**: 15BB32C2**
L-T-P structure	**:** 3-0-0
Pre-Requisite	**: NIL**
Course Credits	**:** 3
Course Coordinator	**: C A YOGARAJA**
Course Instructors	**: NIL**
Course Teaching Associates	**:** NIL

COURSE OBJECTIVE:

The main objectives of this course are to make students

1. To understand and asses the importance of information and its role in business.
2. To develop data analysing skills in students to evaluate information and the tools used for information processing.
3. To imbibe theoretical knowledge of MIS in the students and prepare the students technological competitive and make them ready to self-upgrade with the higher technical skills, either in their post-graduation program or in the work place.

COURSE RATIONALE:

The purpose of learning this course "M**anagement Information Systems**" is to make the student understand the principles of Management Information Systems and develop MIS for different real world systems. Management Information Systems delves on the evolution, implementation and its advantages, providing comprehensive coverage of DSS as well as different modules-decision making process, components, classification, data models and designing of database systems.

COURSE OUTCOMES (CO's):

CO No:	Course outcome	PO	BTL
1.	Understand the information needs of an organization and a business function	A	2
2.	Evaluate effectiveness of decision making process and identify its tools	E	4
3.	Understand DSS techniques for making effective decisions	A	2
4.	Design parameters for MIS application, for data analysis uses	E	4

COURSE OUTCOME INDICATORS (COI):

CO No.	COI-1	COI-2	COI-3
1.	Understand basic concepts of MIS and business functions.	Understand role of MIS and process models.	Understand Simon's model and major trends in IT.
2.	Evaluate effectiveness of decision making and its relation with MIS.	Analyze components of MIS and systems.	Analyze different methodologies of MIS.
3.	Understand decision support system and its architecture.	Understand characteristics and capabilities of DSS.	Understand modules and classification of DSS.
4.	Design DSS for MIS application and database management system for different sources of data.	Analyze architecture of database management system and implement data models.	

SYLLABUS (As approved by BoS):

Unit-1: Management Information System; Basic Concepts – Organization Structure – Business Functions – Role of MIS – MIS in Business - MIS Developing Process Models - Simon's Model in Information System – Major Trends in Information Technology.

Unit-2: Managerial Decision Making; Decision Making Process – Relationship between Decision-Making and MIS –Group Decision Making - Integrating Managerial Levels and Functional areas by MIS-Components of MIS. System and Design; Systems Development Initiate

Unit-3: Different Methodologies – System Life Cycle Design - Prototype Approach - System Implementation.

Unit-4: Decision Support System; Definitions of DSS – Architecture of DSS - Scope of DSS - Characteristic and Capabilities of DSS - Components of DSS – Modules in DSS- Classification of DSS – Steps in Designing a DSS.

Unit-5: Database Management System; Sources of Data – Architecture of Database Management System - Data Models – Implementation - DGMS.

BoS Approved Text books:

1. Jawadekar, Management Information System, Tata McGraw Hill, 2008, 7th Edition, New Delhi.

BoS Approved Reference Books:

1. Arora, Management Information System**,** Excel Books, 2010, 4th Edition, New Delhi.
2. C.S.V. Murthy, Management Information System, Himalaya Publishing House, 2011, 11 Edition, Mumbai.
3. G. V. Satya Sekhar, Management Information

Other Books, References: (As recommended for reference by the course team, if any): Nil

Deviations (if any) from**BoS approved syllabus and the topics planned:** Nil

COURSE DELIVERY PLAN:

Sess. No.	CO	COI	Topic (s)	Teaching-Learning Methods	Evaluation Components
1.			Explanation of Course handout	PPT Lecture	
2.	1	1	Introduction to Information Systems.	PPT Lecture	Test I, End Semester Exam
3.	1	1	Introduction to Management Information Systems.	PPT Lecture	Test I, End Semester Exam
4.	1	1	Organization Structure	Lecture	Test I, End Semester Exam
5.	1	1	Business Functions	Lecture	Test I, End Semester Exam
6.	1	2	Role of MIS	PPT Lecture	Test I, End Semester Exam
7.	1	2	MIS in Business.	PPT Lecture	Test I, End Semester Exam
8.	1	2	MIS Developing Process Models.	PPT Lecture	Test I, End Semester Exam
9.	1	3	Simon's Model in Information System	Lecture	Test I, End Semester Exam
10.	1	3	Major Trends in Information Technology	Flipped Learning	Test I, End Semester Exam
11.	2	1	Managerial Decision Making	PPT Lecture	Test II, End Semester Exam
12.	2	1	Decision Making Process	PPT Lecture	Test II, End Semester Exam
13.	2	1	Relationship between Decision-Making and MIS	Self Learning	Test II, End Semester Exam
14.	2	1	Group Decision Making	Self Learning	Test II, End Semester Exam
15.	2	2	Integrating Managerial Levels and Functional areas by MIS.	PPT Lecture	Test II, End Semester Exam
16.	2	2	Components of MIS	PPT Lecture	Test II, End Semester Exam
17.	2	2	System and Design - Systems Development Initiate.	PPT Lecture	Test II, End Semester Exam
18.	2	3	System Life Cycle Design.	PPT Lecture	Test II, End Semester Exam
19.	2	3	Different Methodologies	PPT Lecture	Test II, End Semester Exam
20.	2	3	Prototype Approach	Lecture	Test II, End Semester Exam
21.	2	3	System Implementation.	Lecture	Test II, End Semester Exam
22.	3	1	Decision Support System.	PPT Lecture	Test III, End Semester Exam
23.	3	1	Definitions of DSS and scope of DSS.	Lecture	Test III, End Semester Exam
24.	3	1	Architecture of DSS.	PPT Lecture	Test III, End Semester Exam
25.	3	2	Characteristic of DSS.	PPT Lecture	Test III, End Semester Exam

26.	3	2	Capabilities of DSS.	PPT Lecture	Test III, End Semester Exam
27.	3	3	Components of DSS	PPT Lecture	Test III, End Semester Exam
28.	3	3	Modules in DSS.	PPT Lecture	Test III, End Semester Exam
29.	3	3	Classification of DSS.	PPT Lecture	Test III, End Semester Exam
30.	3	1	Steps in Designing a DSS.	PPT Lecture	End Semester Exam
31.	4	1	Database Management System.	PPT Lecture	End Semester Exam
32.	4	1	Different Sources of Data.	Self Learning	End Semester Exam
33.	4	2	Architecture of Database Management System.	PPT Lecture	End Semester Exam
34.	4	2	Data Models Implementation	PPT Lecture	End Semester Exam
35.	4	2	DGMS	PPT Lecture	End Semester Exam
36.			Revision	Discussion	
37.			Revision	Discussion	

Session wise Teaching – Learning Plan

Session Number: 1

Session Outcome:

1. Understand course handout

Time(min)	**Topic**	**BTL**	**Teaching – Learning Method**
5	Attendance		
45	Explanation of Course handout		PPT Lecture

Session Number: 2

Session Outcome:

1. Understand Information Systems

Time(min)	**Topic**	**BTL**	**Teaching – Learning Method**
5	Attendance		
35	Explanation of Information System	2	PPT Lecture
10	Conclusion and summary		

Session Number: 3

Session Outcome:

1. Understand Management Information Systems

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Explanation of Management Information System	2	PPT Lecture
10	Conclusion and summary		

Session Number: 4

Session Outcome:

1. Understand organization structure

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Organization structure	2	Lecture
10	Conclusion and summary		

Session Number: 5

Session Outcome:

1. Understand business functions

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Business functions	2	Lecture
10	Conclusion and summary		

Session Number: 6

Session Outcome:

1. Understand role of MIS

Time(min)	Topic	BTL	Teaching – Learning Method
05	Attendance		
35	Role of MIS	2	PPT Lecture
10	Conclusion and summary		

Session Number: 7

Session Outcome:

1. Understand MIS in business

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	MIS in business	2	PPT Lecture
10	Conclusion and summary		

Session Number: 8

Session Outcome:

1. Understand Process Models
2. Understand MIS developing process models

Time(min)	Topic	BTL	Teaching – Learning Method
05	Attendance		
25	MIS Developing Process Models.	2	PPT Lecture
15	Quiz on MIS process models	2	Active learning
05	Conclusion and summary		

Session Number: 9

Session Outcome:

1. Understand information system
2. Understand Simon's model in IS.

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Simon's Model in Information System	2	Lecture
10	Conclusion and summary		

Session Number: 10

Session Outcome:

1. Understand IT
2. Understand major trends in IT

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Major Trends in Information Technology	2	Flipped Learning
10	Conclusion and summary		

Session Number: 11

Session Outcome:

1. Evaluate managerial decision making

Time(min)	Topic	BTL	Teaching – Learning Method
05	Attendance		
35	Managerial Decision Making	4	PPT Lecture
10	Conclusion and summary		

Session Number: 12

Session Outcome:

1. Evaluate Decision Making Process

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Decision Making Process	4	PPT Lecture
10	Conclusion and summary		

Session Number: 13

Session Outcome:

1. Analyse relation between MIS and decision making

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Relationship between Decision-Making and MIS	4	Self-Learning
10	Conclusion and summary		

Session Number: 14

Session Outcome:

1. Analyse group decision making

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Group Decision Making	4	Self-Learning
10	Conclusion and summary		

Session Number: 15

Session Outcome:

1. Analyse Integrating Managerial Levels and Functional areas by MIS.

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Integrating Managerial Levels and Functional areas by MIS.	4	PPT Lecture
10	Conclusion and summary		

Session Number: 16

Session Outcome:

1. Analyse components of MIS

Time(min)	Topic	BTL	Teaching – Learning Method
05	Attendance		
35	Components of MIS	4	PPT Lecture
10	Conclusion and summary		

Session Number: 17

Session Outcome:

1. Analyse System Development Initiate

Time(min)	Topic	BTL	Teaching – Learning Method
05	Attendance		
35	System Development Initiate	4	PPT Lecture
10	Conclusion and summary		

Session Number: 18

Session Outcome:

1. Analyse System Life Cycle Design.

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	System Life Cycle Design.	4	PPT Lecture
10	Conclusion and summary		

Session Number: 19

Session Outcome:

1. Analyse Different Methodologies

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Different Methodologies	4	PPT Lecture
10	Conclusion and summary		

Session Number: 20

Session Outcome:

1. Analyse Prototype Approach.

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Prototype Approach.	4	Lecture
10	Conclusion and summary		

Session Number: 21

Session Outcome:

1. Analyse System Implementation

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	System Implementation.	4	Lecture
10	Conclusion and summary		

Session Number: 22

Session Outcome:

1. Understand Decision Support System

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Introduction of Decision Support System	2	PPT Lecture
10	Conclusion and summary		

Session Number: 23

Session Outcome:

1. Understand Definitions of DSS
2. Understand scope of DSS.

Time(min)	Topic	BTL	Teaching – Learning Method
05	Attendance		
35	Definitions of DSS and scope of DSS.	2	Lecture
10	Conclusion and summary		

Session Number: 24

Session Outcome:

1. Understand Architecture of DSS.

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Architecture of DSS	2	PPT Lecture
10	Conclusion and summary		

Session Number: 25

Session Outcome:

1. Understand Characteristic of DSS

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Characteristic of DSS.	2	PPT Lecture
10	Conclusion and summary		

Session Number: 26

Session Outcome:

1. Understand Capabilities of DSS

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Capabilities of DSS	2	PPT Lecture
10	Conclusion and summary		

Session Number: 27

Session Outcome:

1. Understand Components of DSS

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Components of DSS	2	PPT Lecture
10	Conclusion and summary		

Session Number: 28

Session Outcome:

1. Understand Modules in DSS.

Time(min)	Topic	BTL	Teaching – Learning Method
05	Attendance		
35	Components of DSS, Modules in DSS.	2	PPT Lecture
10	Conclusion and summary		

Session Number: 29

Session Outcome:

1. Understand Classification of DSS.

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Classification of DSS.	2	PPT Lecture
10	Conclusion and summary		

Session Number: 30

Session Outcome:

1. Analyse designing of DSS
2. Analyse steps in designing of DSS

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
20	Designing of DSS	4	PPT Lecture
15	Steps in designing of DSS	4	PPT Lecture
10	Conclusion and summary		

Session Number: 31

Session Outcome:

1. Design Database Management System.

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Database Management System.	4	PPT
10	Conclusion and summary		

Session Number: 32

Session Outcome:

1. Analyse Different Sources of Data.

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Different Sources of Data.	4	Self-Learning
10	Conclusion and summary		

Session Number: 33

Session Outcome:

1. Design architecture of database management system

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Architecture of Database Management System.	4	PPT Lecture
10	Conclusion and summary		

Session Number: 34

Session Outcome:

1. Design Data Models
2. Design DGMS

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Data Models Implementation	4	PPT Lecture
10	Conclusion and summary		

Session Number: 35

Session Outcome:

1. Design DGMS

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	DGMS	4	PPT Lecture
10	Conclusion and summary		

Session Number: 36

Session Outcome: **1.** Recapping the concepts.

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Revision		Discussion
10	Quiz		

Session Number: 37

Session Outcome:

1. Recapping the concepts.

Time(min)	Topic	BTL	Teaching – Learning Method
5	Attendance		
35	Revision		Discussion
10	Quiz		

EVALUATION PLAN:

Evaluation Component	Weightage/Marks	Date	Duration (Hours)	CO 1			CO 2			CO 3			CO 4	
COI Number				1	2	3	1	2	3	1	2	3	1	2
BTL				2	2	2	4	4	4	2	2	2	4	4
Test 1	Weightage (10 %)	30th Jan to 2nd Feb	1:30	3	3	4								
	Max Marks (20)			6	6	8								
Test 2	Weightage (10 %)	5th March to 8th March	1:30				3	3	4					
	Max Marks (20)						6	6	8					
Test 3	Weightage (10 %)	3rd April to 6th April	1:30							3	3	4		
	Max Marks (20)									6	6	8		
Active Learning	Weightage (15%)													
	Max Marks (15)			Active Learning – 15M										
Attendance	Weightage (5%)	-		Equal Weightage for all sessions - 5 marks										
End Semester Exam	**Weightage (50%)**		3:00	3%	3%	4%	3%	3%	4%	3%	3%	4 %	10 %	10%
	Max Marks(50)			3	3	4	3	3	4	3	3	4	10	10
	Question Number			1 a,b	2	3	1 c, d	4	8	1e,f	5	8	1 g,h, l,j	6,7,8

Course Team members, Chamber Consultation Hours and Chamber Venue details:

SNO	Name of Faculty	Chamber Consultation Day(s)	Chamber Consultation Timings for each day	Chamber Consultation Room No:	Signature of Course faculty
1.	C A YOGARAJA	Wednesday Friday	9:00AM-12:40PM 1:30PM-5:00PM	L411	

Signature of COURSE COORDINATOR:

Hari Kiran Vege,

Assoc.Dean-TLP

Recommended by for **Approved By: DEAN-ACADEMICS**

HEAD OF DEPARTMENT **(Sign with Office Seal)**