

**XAVIER INSTITUTE OF MANAGEMENT, BHUBANESWAR**  
**XAVIER UNIVERSITY**

<b>Course Name</b>	<b>Enterprise Information System [EIS]</b>
<b>Programme</b>	<b>EMBA-FT</b>
<b>Batch</b>	<b>2021-22</b>
<b>Term</b>	<b>1</b>
<b>Credits</b>	<b>3.0</b>
<b>Course Instructor</b>	<b>Prof. Bhaskar Basu</b>

### **Course Introduction and Objectives**

The course comprises four major constituents – core information systems concepts, enterprise systems for management, business analysis and skill enhancement on specific IS tools. The course delivery will be based on conceptual treatise, spreadsheet skills and predominantly case pedagogy. Overall, this course will enable the participants to develop general abilities related to problem identification and solving, along with some formal processes, methodologies, and models.

### **Course Content**

The course covers the following broad topics:

- ‘The Strategic role of Information Systems’
- ‘Classification of Information Systems’,
- ‘Enterprise Systems’
- ‘Building Information Systems’,
- ‘Decision Support Systems’ and
- ‘AI applications’

The students will propose business process improvements through System Modelling approaches for the proposed system in different domains.

### **Course Learning Outcomes (CLO)**

On completion of the course participants will be able to:

- CLO 1: Appreciate the basic Information Systems Concepts and their relevance in organizational decision making
- CLO 2: Demonstrate sound understanding of business value of Enterprise Systems in overall improvement of the operations in various functional areas
- CLO 3: Apply specific tools for problem solving in a specific organizational context

## Reading and References

<https://www.amazon.in/Management-Information-System-Laudon-Kenneth-ebook/dp/B07F9NWLRG>

### Reference Books:

1. Management Information Systems, Effy Oz, Cengage Learning
2. Management Information Systems, Laudon & Laudon 14<sup>th</sup> Ed., Pearson Ed.
3. Management Information Systems, James O Brien et al, TMH
4. Management Information Systems, Jaiswal & Mittal, OUP
5. Management Information Systems: A South-Asian Perspective, Bidgoli and Chattopadhyay, latest edition (2016), Cengage Learning
6. Information Systems Today: Managing in the Digital World by Valacich/Schneider, Pearson, ISBN:9789332549944.

The students will also be provided cases/additional readings and must have MS Office 2016 or higher version/Office 365 installed in their respective laptops.

## Pedagogy and Students Workload

The pedagogy will include a mix of lecture and case pedagogy. The instructor will share the necessary concepts related to the topics and subsequently discuss real life applications of the concepts through cases distributed beforehand. The students are expected to take the help of decision support tools for problem solving in some of the cases. It is expected that the students devote around 3-4 hours per week apart from the scheduled classes for the course.

## Session Plan

Session	Topic	Session Learnings	Reading Materials
1 - 3	Information Systems in Business Today	The Role of Information Systems, Information, People Data vs Information vs Knowledge, Classification of Info Systems	Ch 1, Open Forum; HBS case
4-5	Information Systems, Organizations & Strategy	How IS Impacts Organizations & Business Firms, Using IS to Achieve Competitive Advantage, Business Canvas	Ch 2-3, Case

6-9	Business Analysis and Decision Support System	Problem Solving and Spreadsheet Modelling	Ch 12, Class Assignment(s): Hands-on session
10-11	Enterprise Systems	Core Business Processes and Organizational Value Chains, ERP/SCM/KM systems	Ch 9, HBS Case
12-14	Building Information Systems	Methodologies for modelling and designing system	Ch 13, Class Assignment(s)
15-17	AI and ML applications in Industry	AI Fundamentals and ML Algorithms	Ch 11, HBS Case
18	Emerging Trends and Applications	IOT and Blockchain Applications	Handouts HBS Case
19-20	Group Presentations and Wrap Up		

## Assessment Scheme

Component	Weightage (%)	Assessment of Course Learning Outcome(s) (CLO)
Class Participation	10%	CLO 1
Quiz (1 Quiz-No Makeup Quiz)	20%	CLO 1
End-Term	30%	CLO 2
Assignment (s)	20%	CLO 3
Group Project	20%	CLO 2

## Academic Discipline and Integrity

Students are expected to be regular and come to class on time. Late comers will not be given attendance. Students involved in academic dishonesty/plagiarism will receive ZERO on the particular component in which the infraction occurred. Academic dishonesty consists of misrepresentation by deception or by other fraudulent means. In an academic setting this may take any number of forms such as copying or use of unauthorized aids in tests, talking during examinations; aiding and abetting another student's dishonesty; giving false information for the purpose of gaining credits; and resorting to free-riding in group activities. Depending upon the severity of incident, grade deductions or even worse outcome (like getting F) is possible. Displaying in-appropriate behavior during session hours can also lead to marks or grade deductions. Deadlines in terms of deliverables should be adhered to, else you may be penalized. All group members should contribute in a project and all group members should necessarily be present during final presentation. The instructor reserves the right to modify the sequence of sessions and make minor alterations in course outline and/or evaluation component(s) during the timeline of the course administration.

## Mapping Course Learning Outcomes (CLO) with the Program Learning Goals (PLG)

PLG#	Program Learning Goal	Trait	Addressed by Course	
			Yes	No
PLG1	Functional and Business Skills	The students will demonstrate understanding of elements of all functional areas	Yes	
PLG2	Analytical Skills	The students will use analytical techniques to identify a business problem, and suggest a solution	Yes	
PLG3	Collaboration and teamwork attributes	The students will exhibit voluntary cooperation and effective teamwork in a group setting	Yes	
PLG4	Ethical responsibility	The students will understand the ethical complexities of conducting business. The students will adopt techniques in scenarios involving ethical dilemma and offer resolution		No
PLG5	Communication	The students will produce reasonably good quality business documents. The students will become effective and confident communicators		No