DEPARTMENT OF MANAGEMENT STUDIES
NATIONAL INSTITUTE OF TECHNOLOGY
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COURSE PLAN – PART I			
Course Title	**INFORMATION MANAGEMENT**		
Course Code	**MB 722**	**No. of Credits**	**2**
Course Code of Pre-requisite subject(s)	**NIL**		
Session	**Oct 2023 – Jan 2024**	**Section**	
Name of Faculty	**Dr. P.Sridevi**	**Department**	**MBA**
Email	**psridevi@nitt.edu**	**Telephone No.**	**041-2503711**
Name of Course Coordinator(s) (if, applicable)	**NIL**		
Course Type	∨ **Core course**	☐ **Elective course**	

SYLLABUS

Unit I IS in Business
Digital Business Transformation - Information System: Concepts - IS in Organizations - Types of Information Systems - Business Perspectives of IS - IS in Business Functions - Strategic perspectives of IS and its competitive advantage in business. IS impact in organization.

Unit II IT Infrastructure and Enterprise Applications
Business Hardware and Software - Software - as - service - Enterprise Resource Planning - Supply Chain Management Systems - Customer Relationship Management Systems - Expert System - Block Chain Technology in Business - E - Business and E - Commerce applications.

Unit III Systems Analysis and Design
Overview of system development - System Development Life Cycle - Prototyping - Structuring system process requirements - Structuring system logic requirements - Structuring system data requirements.

Unit IV Business Intelligence
Database Management Systems: Database models - Data Warehouse - Business Intelligence: Framework - Business Analytics - OLAP - Data Mining - Artificial Intelligence for Business - Dashboards - Balance scorecards.

Unit V IS Global challenges and System Acquisitions

Challenges of Global Information System - Ethical and Societal issues - Outsourcing Risk in IT services - Security measures: Network security - Licensing applications.

COURSE OBJECTIVES

- *To provide a comprehensive overview of information systems by connecting MIS and business performance.*
- *To provide knowledge on System development and applications in business environment.*

COURSE OUTCOMES (CO)

Course Outcomes	Aligned Programme Outcomes (PO)
To understand the different forms of Information systems in business perspectives	1, 2, 3, 4,
To understand IT infrastructure and its applications.	1,2,4
To know system development methodologies and tools.	2, 3, 4, 5, 6
To understand essentials of IS value in business perspectives.	1, 2, 3, 4, 5, 6,10

COURSE TEACHING AND LEARNING ACTIVITIES			
Sl.No.	Week	Topic	Mode of Delivery
1.	Ist week of II Trimester Course Class – 1st week (3 Contact Hours)	Digital Business Transformation - Information System: - - Strategic perspectives of IS and its competitive advantage in business. IS impact in organization.	Lecture - Power Point Presentation
2.	Class- 2nd week (3 Contact Hours)	Business Perspectives of IS - IS in Business Functions - Concepts - IS in Organizations	Lecture - Power Point Presentation
		Case - on Industry IS : UPD & FedEx	Group presentation
3.	Class- 3rd week (3 Contact Hours)	Types of Information Systems - Case Study Analysis on Information technology/ Video	Lecture - Power Point Presentation
4.	Class- 4th week 3 Contact Hours)	Business Hardware and Software Software - as - service - Enterprise Resource Planning - Supply Chain Management Systems - Customer Relationship Management Systems	Lecture - Power Point Presentation
		Classroom exercise	Individual Analysis and report submission
5.	**Will be informed later	**Guest Lecture – Latest IT Trends**	**By Industry expert**
6.	Class- 5th week (3 Contact Hours)	Expert System - Block Chain Technology in Business - E - Business and E - Commerce applications	Lecture - Power Point Presentation *Assignments - posted**
7.	Class- 6th week (3 Contact Hours)	Overview of system development - System Development Life Cycle - Prototyping - Structuring system process requirements - Structuring system logic requirements - Structuring system data requirements.	Lecture - Power Point Presentation

8.	7th week	**Cycle Test for II Trimester / MBA**	
9.	Saturday & Sunday		**** Guest Lecture**
10.	Class- 8th week (3 Contact Hours)	Database Management Systems: Database models - Data Warehouse - Business Intelligence: Framework	Lecture - Power Point Presentation
11.	Class – 9th week (3 Contact Hours)	Business Analytics - OLAP - Data Mining - Artificial Intelligence for Business **Case Study**	Lecture - Power Point Presentation **Group analysis and presentation
12.	Class - 10th week (3 Contact Hours)	Dashboards - Balance scorecards **Case Study**	Lecture - Power Point Presentation **Group analysis and presentation
13.	Class – 11th week (3 Contact Hours)	Challenges of Global Information System - Ethical and Societal issues - Outsourcing Risk in IT services -.	Lecture - Power Point Presentation
14.	Class – 12th week (3 Contact Hours)	Security measures: Network security - Licensing applications Assignment assessment	Lecture - Power Point Presentation ** Evaluation out off contact hours if required**
15.	January 2024	**II Trimester Exam**	

COURSE ASSESSMENT METHODS

Sl. No.	Mode of Assessment	Week / Date	Remarks	% Weightage
1.	Cycle Test	7th week of class 2023	Individual assessment (1.5 hours)	25%
2.	Literature report	To be submitted after winer break 2024	From any reputed journal of Information Management/Systems/ Technology – Individual Assessment	15%
3.	Assignment – Case study on digital transformation trends in industry scenario	Submission – *week of January 2024	Group assessment (date will be informed in class)	10%
4.	End Examination (Trimester)	Janury2024	3 hours	50%

Note:
1. Attending all the assessments (Assessment 1 to 4) is MANDATORY for every student.
2. Passing minimum for the course shall be the Class Average/2. If not scoring the minimum, the student would be declared fail and 'F' grade will be awarded..

COURSE EXIT SURVEY
- Feedbacks are collected before final examination through MIS or any other standard format followed by the institute
- Students, through their Class Representatives, may give their feedback at any time to the course faculty which will be duly addressed.

The students may also give their feedback during Class Committee Meeting.

ATTENDANCE:

- Minimum 75% is mandatory to write the trimester examination. Students having attendance 65% to 74% are eligible for the end semester exam only after attending the extra classes and submitting assignments. Students have to redo the course, if they have less than 65% of attendance.
- Medical Certificate / On Duty Certificate should be submitted immediately after rejoining.

COMPENSATION ASSESSMENT:

- One compensation assessment will be given for the students those who are absent due to genuine reason for the Cycle Test.
- The prior permission and required document must be submitted for absence.

ACADEMIC HONESTY & PLAGIARISM:

- The students are expected to be honest for the assignments floated without copying from other students or sources. Plagiarism will be checked for assignments. If no academic honesty maintained, penalty will be imposed in final mark allotment.
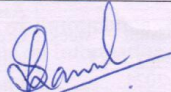- Need to maintain honesty & discipline in class room and exam duration

ADDITIONAL INFORMATION

- The students can get their doubts clarified at any time with course instructor through mail or in person during working hours
- Guest lecture date will be intimated based on expert availability
- Submission of all assessment should be on the date informed. No late submissions allowed.

FOR APPROVAL

Dr. P.SRIDEVI Course Faculty	Dr. Shobitha Poulose Chairman (Class Committee)	Dr.G.Muruganantham HoD