Jansons Institute of Technology

Karumathampatti, Coimbatore - 641 659

Approved by AICTE and Affiliated to Anna University

An ISO 9001:2015 certified institution

Industry Readiness Course - Syllabus

Department of Computer Science and Engineering

Enterprise Resource Planning (ERP) Systems

2023 - 2024 (EVEN Semester)

Learning Objectives

- To provide a contemporary and forward-looking on the theory and practice of Enterprise Resource Planning Technology.

- To focus on a strong emphasis upon practice of theory in Applications and Practical oriented approach.

- To train the students to develop the basic understanding of how ERP enriches the business organizations in achieving a multidimensional growth.

- To aim at preparing the students technological competitive and make them ready to self-upgrade with the higher technical skills.

Learning Outcomes

- To know the basics of ERP

- To understand the key implementation issues of ERP

- To know the business modules of ERP

- To be aware of some popular products in the area of ERP

- To appreciate the current and future trends in ERP

MODULE 1

Introduction: Overview of enterprise systems – Evolution - Risks and benefits - Fundamental technology - Issues to be consider in planning design and implementation of cross functional integrated ERP systems - ERP Solutions and Functional Modules: Overview of ERP software solutions- small, medium and large enterprise vendor solutions, BPR and best business practices - Business process Management, Functional modules.

MODULE 2

ERP Implementation: Planning Evaluation and selection of ERP systems - Implementation life cycle - ERP implementation, Methodology and Frame work- Training – Data Migration - People Organization in implementation-Consultants, Vendors and Employees - Post Implementation.

MODULE 3

Maintenance of ERP- Organizational and Industrial impact; Success and Failure factors of ERP Implementation - Emerging Trends on ERP: Extended ERP systems and ERP add-ons - CRM, SCM, Business analytics - Future trends in ERP systems-web enabled, Wireless technologies, cloud computing.
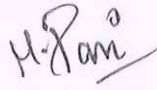
Course Designed By

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Professor / CSE

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Dr.M Pavithra

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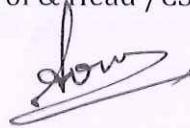
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Principal