Enterprise Resource Planning

Upon completion of the Enterprise Resource Planning course, students will be able to:

Module No. 1: Introduction to ERP
1. Define Enterprise Resource Planning and explain its origin and the need for an ERP system (Knowledge)
2. Identify the benefits of an ERP system and reasons for the growth of the ERP market (Comprehension)
3. Assess the risks associated with ERP implementation and outline a road map for successful ERP deployment (Evaluation)

Module No. 2: ERP related Technologies and Modules
1. Analyze the concept of Business Process Re-engineering and its importance in ERP implementation (Analysis)
2. Evaluate the role of Functional Modules such as Sales and Distribution, Human Resource, Finance, and Production in an ERP system (Evaluation)
3. Discuss the significance of Customer Relationship Management and its impact on organizational processes (Comprehension)

Module No. 3: ERP implementation
1. Outline the ERP Implementation Life cycle and transition strategies involved in the process (Comprehension)
2. Evaluate the role of ERP vendors, consultants, and project teams in successful ERP implementation (Evaluation)
3. Analyze the resistance faced by employees during ERP implementation and develop strategies to address it effectively (Analysis)

Module No. 4: ERP post-implementation
1. Identify success and failure factors of ERP implementation and strategies for maximizing the ERP system (Evaluation)
2. Discuss the importance of data migration, project management, and monitoring in ensuring smooth ERP operations (Knowledge)
3. Evaluate the significance of ERP operations and maintenance in sustaining the system effectiveness (Evaluation)

Module No. 5: Future directions in ERP
1. Explore new trends in ERP such as ERP II and the development of organization-wide ERP systems (Analysis)
2. Examine the implementation of ERP in E-business and the impact of ERP on new markets and channels (Evaluation)
3. Discuss the latest ERP implementation methodologies and their implications for future ERP systems (Comprehension)