TECHNICAL EDUCATION ACADEMY

School of Computer Science

COURSE PROGRAMME

000483

Enterprise Resource Planning (ERP)

In today's fast-paced and increasingly competitive business environment, organizations must continuously adapt and evolve to maintain their competitive edge.



Learn from the Best in the Business!

Course overview

Intermediate level

Why take this course

In today's fast-paced and increasingly competitive business environment, organizations must continuously adapt and evolve to maintain their competitive edge. A critical factor in achieving this is the efficient management of resources and processes across various functions. Enterprise Resource Planning (ERP) systems have emerged as powerful tools to help businesses optimize their operations, streamline workflows, and make data-driven decisions. Our comprehensive modular training program has been designed to equip professionals with the necessary knowledge and skills to effectively implement, manage, and leverage ERP systems for the success of their organizations.

The training program is divided into eight modules, each focusing on a different aspect of ERP systems, from fundamentals and implementation strategies to integration with e-commerce platforms. Participants will begin by gaining a solid understanding of ERP systems, their importance, and the factors driving their growth in the business environment. They will then explore the intricacies of mapping and integrating ERP systems within an organization's existing business processes and departments.

The program delves into the practical aspects of ERP implementation, providing insights into best practices, precautions, and guidelines that professionals can apply in real-world situations. Delegates will also gain an understanding of the various ERP modules, related technologies, and their potential applications across business functions such as finance, human resources, sales, and supply chain management.

To ensure a successful ERP implementation, our training program covers the critical success factors and potential failure factors, equipping professionals with the necessary strategies to mitigate risks and drive successful outcomes. The program also addresses the post-implementation phase, emphasizing the importance of continuous improvement, team training, end-user support, and ongoing system maintenance.

In addition to a thorough exploration of ERP systems, our training program highlights the growing importance of integrating ERP systems with e-commerce platforms and other internet technologies, enabling organizations to harness the power of both systems for maximum impact.

This comprehensive training program is designed for a wide range of professionals, from business owners and executives to IT managers, project managers, and functional area specialists. By the end of the program, delegates will be well-equipped to drive efficiency, effectiveness, and growth within their organizations through the strategic implementation and management of ERP systems

Who it is for and how it helps

This modular training program is designed for a range of professionals who are interested in or responsible for implementing and managing ERP systems within an organization. The target audience

Course overview — continued

includes, but is not limited to:

• Business Owners and Executives: To gain an understanding of the benefits and challenges of ERP systems, and to make informed decisions about ERP implementation.

• IT Managers and Professionals: To develop a comprehensive understanding of ERP systems, their related technologies, and the best practices for successful implementation and management.

• Project Managers and Implementation Consultants: To acquire the necessary knowledge and skills for effectively managing and guiding ERP implementation projects.

• Business Analysts and Process Managers: To understand how ERP systems can be mapped and integrated with various business processes to achieve organizational efficiency and effectiveness.

• Finance, HR, and Operations Managers: To learn how ERP modules can be leveraged to streamline and optimize various functional areas within the organization.

• Sales and Marketing Professionals: To explore how ERP systems can support customer relationship management and improve sales and marketing efforts.

• Supply Chain and Logistics Professionals: To understand how ERP systems can enhance supply chain management and facilitate better coordination across the supply chain network.

• E-commerce Managers and Professionals: To learn about the integration of ERP systems with e-commerce platforms and related internet technologies.

• Technical Support and End-User Training Staff: To develop the skills required for providing effective end-user training and ongoing post-implementation support.

• Professionals looking to switch careers or seeking a deeper understanding of ERP systems for career advancement.

What you will learn

- Understand the fundamentals of ERP systems, their importance, and the factors driving their growth in the business environment
- Identify the key modules and related technologies within ERP systems and how they can be leveraged to optimize various business functions
- Evaluate an organization's readiness for ERP implementation, and make informed decisions regarding ERP solution selection and evaluation
- Map and integrate ERP systems with an organization's existing business processes, functions, and departments
- Develop and execute effective project plans for successful ERP implementation, considering best practices, precautions, and guidelines
- Recognize the hardware and software requirements for ERP implementation, and manage the selection of vendors, consultants, and human resources
- Understand the critical success factors and potential failure factors in ERP implementation, and apply strategies to mitigate risks and ensure successful outcomes

Course overview — continued

- Manage post-implementation phases, including business process re-engineering, configuration, team training, testing, end-user training, and ongoing support
- Integrate ERP systems with e-commerce platforms and related internet technologies to maximize the benefits of both systems
- Utilize the knowledge and skills acquired during the training program to drive continuous improvement and efficiency within their organization by leveraging ERP systems effectively

Curriculum

Modules 01–04

01 Module 1: Introduction to ERP and Its Growth

- Overview of Enterprise Resource Planning (ERP)
- The Importance of ERP in Business
- Business Process Re-engineering (BPR)
- Data Storage and Warehousing
- Data Mining and Analytics
- Supply Chain Management Fundamentals
- Factors Driving ERP Growth
- ERP Benefits and Challenges
- Assessing Organizational Readiness for ERP
- Evaluating ERP Solutions
- Key ERP Modules

02 Module 2: Mapping and Integrating ERP for Businesses

- Enterprise Structure: Functions and Departments
- Integrating Management Information Systems
- Business Modeling Techniques
- Aligning ERP with Business Goals
- Business Process Mapping and Improvement
- The ERP Implementation Process
- Hardware and Software Requirements for ERP Implementation

03 Module 3: ERP Implementation Strategies

- Best Practices for ERP Implementation
- Post-Implementation ERP Management
- Guidelines for Successful ERP Implementation

04 Module 4: ERP and Related Technologies

- Business Process Re-engineering
- Management Information Systems
- Executive Information Systems (EIS)

Curriculum

Modules 04–07 · Module 04 — continued

- Decision Support Systems (DSS)
- Supply Chain Management Innovations

05 Module 5: Detailed Overviewo of ERP Modules

- Production Module
- Plant Maintenance Module
- Quality Management Module
- Materials Management Module
- Supply Chain Management Module
- Customer Relationship Management
- Sales and Marketing Modules
- Finance and Accounting Module
- Human Resources Module

06 Module 6: Stages of ERP Implementation

- Re-evaluation and Screening
- Package Evaluation
- Project Planning
- Gap Analysis
- Identifying Hidden Costs
- Vendor, Consultant, and HR Selection

07 Module 7: Post-Implementation Management

- Business Process Re-engineering and Configuration
- ERP System Implementation
- Team Training and Development
- System Testing and Validation
- End-User Training and Support
- Ongoing Post-Implementation Support

Curriculum

Modules 08

08 Module 8: ERP Integration with E-Commerce

- Future Trends in ERP Systems
- Integrating ERP with Internet Technologies
- Key Factors in ERP Selection and Evaluation
- Strategies for Successful ERP Implementation
- Critical Success Factors in ERP Implementation
- Identifying Potential Failure Factors in ERP Implementation
- Seamless ERP Integration into an Organization

Joining the programme

Contact the Academy and quote course code 000483 to confirm dates, delivery format, prices and enrolment terms.

Training for your team

Tell us your business goals, the roles and number of participants, and your preferred dates and location. This will help us discuss the right training option.

Preparing for the programme

The published programme does not specify any prerequisites. Contact us before enrolling to confirm how to prepare.

Discuss your training needs

mail@tecedu.org
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