Topics Covered

Module 1: Introduction (8 Hrs)
ERP orientation, mapping business processes, and key terminology.

Module 2: Procurement & Inventory (6 Hrs)
Procurement cycles, material master, and inventory valuation.

Module 3: Production Planning (6 Hrs)
Bill of Materials (BOM), routing, and production execution.

Module 4: Sales & Finance (6 Hrs)
Order-to-Cash process and financial integration.

Module 5: Reporting & Integration (4 Hrs)
Real-time dashboards and MIS reports.

Module 6: Implementation (5 Hrs)
Data migration, security, and change management.

Module 7: Emerging Trends (5 Hrs)
Sector-specific ERP applications and future trends.

Registration:
https://events.vit.ac.in/ Registration is limited to 40 participants based on first come first serve.

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Who Can Attend?
- UG/PG Students (B.Tech, BBA, MBA, M.Tech)
- Faculty and Industry Participants

Venue: CDMM104, VIT Vellore

VIT®
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)



Value Added Training Program
VAC2518

Foundations and Overview of ERP Systems

January 5 – 9, 2027
(40 Hours)

Organized by
School of Mechanical Engineering
Vellore Institute of Technology
Vellore - 632014

About VIT University

Vellore Institute of Technology (VIT) was founded in 1984 as Vellore Engineering College by the Founder and Chancellor, Dr. G. Viswanathan. University status was conferred in 2001 by MHRD, Govt. of India, in recognition of its excellence in academics, research, and extracurricular initiatives.

Ranking and Accreditation

VIT has emerged as one of the best institutes in India and is aspiring to become a global leader. Quality in teaching-learning, research, and innovation makes VIT unique. Engineering and Technology: 142_{nd} in the World and 9th best in India (QS World University Rankings by Subject 2025) nd Data Science and AI subject areas are within the Top 100 in the world. Computer Science, Information Systems, Electrical, Electronics, and Materials Science subject areas are within the top 200 in the world (QS World University Rankings by Subject 2025) Within the top 2 in India and top 600 in the world (Shanghai ARWU ranking 2025) NAAC Accreditation with A++ grade (3.66 out of 4) Within the top 20 in University, Research and Engineering categories in India (NIRF Ranking, Govt. of India 2025) 352 in the world and 7 in India (QS World University Rankings: Sustainability 2026)

About the School of Mechanical Engineering (SMEC)

The School of Mechanical Engineering (SMEC), established in 1984, is one of the oldest and leading schools of VIT, with a strong legacy in Mechanical Engineering education, research and innovation. The School offers UG, PG and Ph.D. programmes, supported by highly qualified faculty and advanced research facilities.

SMEC has secured substantial research support from leading national and international agencies including DST, DRDO, ISRO, UGC, CSIR, MNRE, BRNS, Royal Academy of Engineering and others. The School has received DST-FIST support in 2003, 2010, and 2022. Its global academic standing is reflected in the QS World University Rankings by Subject 2026, where Mechanical Engineering is ranked 148th globally and 8th in India. The B.Tech. Mechanical Engineering programme is NBA-accredited for six years (2025–26 to 2030–31).

Our Vision

- To inspire and empower a new generation of sustainable mobility innovators, bridging academia and industry for a greener future.
- Advancing global progress by promoting technological innovation to solve societal and industrial challenges.

Key Takeaways:

- Understand how core ERP modules interconnect to drive organizational efficiency, traceability, and real-time reporting.
- Master real-world industrial workflows, from procurement and bill of materials (BOM) routing to sales and financial postings.
- Learn the fundamentals of ERP deployment phases, data migration, security, and change management.
- Build essential operational and digital transformation skills applicable across manufacturing, supply chain, and managerial roles.

Evaluation Pattern

- Participants must submit a 15-page report on a relevant ERP topic.
- Reports should demonstrate conceptual understanding and industrial application.

About the Course

Foundations and Overview of ERP Systems is a comprehensive 40-hour Value-Added Programme offered by the School of Mechanical Engineering (SMEC), designed to equip UG and PG students (B.Tech, M.Tech, BBA, MBA) with a solid conceptual and practical grounding in Enterprise Resource Planning (ERP). This course bridges the gap between core business functions and modern digital operations by exploring key ERP modules including Procurement, Inventory Management, Production Planning, Sales & Distribution, and Finance Integration. Through real-world case studies, process mapping activities, and end-to-end operational demonstrations, participants will gain hands-on insights into critical business flows such as Procure-to-Pay and Order-to-Cash, master data management, and the latest emerging trends in ERP applications across diverse industry sectors.

Details:

Registration **Fees: 1000 INR,** including GST. Registration charges include course materials in soft copy and a participation certificate

Registration link : https://events.vit.ac.in/