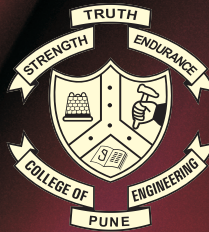


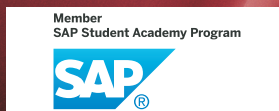
# One Year Post Graduate Diploma in Enterprise Resource Planning (PGD ERP)

Organized by



## College of Engineering, Pune

*With support from*  
SAP uAcademy



*and*

SAP University Alliances Program



*Industry Partner*



Course Director: Prof. B. B. Ahuja

Course Co-ordinator: Prof. Arati Mulay

## The Genesis

The College of Engineering, Pune, forerunners of technical education in the country, established in the year 1854, is one of the premiere engineering institutes in the country which has consistently maintained its tradition of excellence in the field of technical education.

Department of Production Engineering and Industrial Management formally established in 1994, this relatively new Department has emerged from a natural alignment that has evolved from Mechanical Engineering. We are strong in the fundamental disciplines of Production Engineering and in various thematic areas namely, Production Process, Tool Engineering & Design, Industrial Engineering, Manufacturing Automation Engineering Design and Analysis, Plant Engineering & Maintenance, Industrial Lubrication & Tribology, Mechatronics, Micro and Nano-engineering; Metrology & Quality Control amongst other subject areas. The Department offers the popularly known "Poona Model" sandwich course at the undergraduate level and the department takes pride in its close connections with its industry sponsors for both student work experience internship programs and research activities.

Our mission is to foster, create and develop capacity amongst students to compete ethically by providing platform for manufacturing inventions of world class standards. Our portfolio of faculty brings complementary skill sets to bear on pressing national needs. The Department offers three Post-graduate degree programs, namely "Manufacturing Engineering and Automation", "Mechatronics" and "Project Management". Our Ph.D. programs in Production Engineering and Industrial Engineering are helping to define an emerging discipline at the national and international scene. The Department's research efforts are having significant impact on our society as well as on the scientific community.

Due to increasing trend towards flexibility in manufacturing and wide use of Information Technology to integrate various main and supportive systems of production, there is a need today to specialize in one of the important areas as Enterprise Resource Planning.

To the portfolio of courses already offered: Department of Production Engineering and Industrial Management has embarked on one year post graduate diploma course in the field of Enterprise Resource Planning (ERP) for the students who want to learn more about the ERP architecture and customisation procedures and its potential.

## SAP Education at College of Engineering, Pune

SAP, the world's largest business applications software company, supports education around the world in many ways.

*The Will to Lead... The Drive to Excel...*

Indian IT industry is currently taking shape in universities and educational institutions across the length and breadth of the country. However, College of Engineering, Pune realizes the need for ensuring that this talent is ready to effectively carry out organizational responsibilities as soon as they graduate out of colleges and ensure that students excel in the most of their competencies while also preparing them for challenges that lie ahead.

Across all colleges of India, College of Engineering, Pune, is the first e-learning partner of SAP. COEP is also a member of SAP University Alliance Programme.

### **SAP eAcademy**

SAP Training and Certification at COEP's SAP eAcademy is an excellent learning experience for students and provides an intensive and comprehensive hands-on training program on SAP ERP products and business applications leading to SAP certification.

The advanced technology of eLearning provides the benefit of SAP Training directly from SAP Germany Servers.

### **SAP University Alliances Program**

Through advanced curricula and academic research, the SAP University Alliances program is helping to align the next generation of business and IT leaders, ready to take on new technology and business model innovation. To accomplish this, SAP provides its business software suite for use in disciplines such as business, IT, computer science, and engineering.

By providing advanced technologies, such as those supporting next generation IT architectures around key business processes, the SAP University Alliances program helps to develop highly qualified graduates who contribute to the core competencies of their future employers.

### **About the Course**

#### **From Raw Materials to Finished Goods through ERP.....**

As information in the virtual world flows into real manufacturing processes, completely new production environments emerge. The manufacturing sector is presently passing through a phase of transition of conventional manufacturing to e-Manufacturing. It's a popular notion that, implementing an ERP solution improves the efficiency, provides a clear view on productivity and growth and thus provides strong foundation for e-Productivity.

A new approach to this course is tailor-made for freshers and working professionals looking to make a rewarding career in ERP space.

This “New Spin on Manufacturing” is designed to broaden and deepen the skills, knowledge, and expertise especially for candidates aspiring for a career as “Techno-Functional” consultant in the field of ERP.

As work becomes more flexible, Enterprise Resource Planning systems provide businesses with the tools to operate efficiently and increase savings, but it isn't enough just to have an operating system. A new study indicates that the most successful companies are the ones that take the time to train their end users, ensuring they use the best operational practices.

Forging a revolution, this proposed Programme will strategically help candidates to manage wider scope of business functions as well as be productive and innovative, thus creating a pool of highly skilled ERP professional.

The course contents for this course are designed to cover fundamentals of ERP systems and the importance of integrated information systems in an organization to improve its productivity. The focus of this course is on illustrating various business processes like procurement, production, sales, finance, cost accounting, HR using ERP solutions.

The duration of the course is one year in a tri-semester pattern which provides:

- Induction
- Hands-off training
- Hands-on training
- Demonstration
- Certification

The two semesters are driven by class room sessions, lab sessions followed by assessment at the end of each semester. In third semester, the students are expected to complete 2 months online training required for SAP certification Exam for specialized module followed by 3 months project in various companies having ERP implemented for their business processes.

Demand for ERP software is growing and will continue to grow.

#### **We aim to :**

- Help students obtain an understanding of SAP products and strategy
- Guide and train new consultants and professionals on the latest SAP ERP products based on industry-accepted curriculum

*The Will to Lead... The Drive to Excel...*

- Provide ASAP and SAP Service Market Place training
- Facilitate testing and SAP certification of qualified ERP professionals
- Equip ERP professionals with the essential skills and industry attachment needed to drive SAP implementations for maximum business benefits to their employer

### **Detailed Curriculum of the Course**

a. To equip learners with knowledge and skills and ensure their employment within the field of Enterprise Resource Planning Systems, learners at the end of the course are aimed to achieve the following:

Acquire extensive basic and advanced knowledge of:

- Organizational structures used in each business process;
- Key master data which must be maintained to execute each business process;
- ERP transactions required to complete each business process cycle;
- Key integration points between the different business disciplines supporting each business process cycle.

b. Methodology for the Course orients through :

- Classroom Lecture Sessions.
- Practical Sessions.
- Project Training.
- 200 hours training for SAP Certification Exam.
- Interactive snapshots of business processes, along with simulations, and exercises.
- Assistance through Net Meetings.
- Group Discussion session.
- Projects and Seminars.

## Course Structure

Sr. No.	Subject Title	Course Type	Credits	Duration
<b>SEMESTER I</b>				
1	Introduction to ERP (Navigation / Basis / Architecture / ABAP)	Core	4	15 Weeks
2	Financial Accounting and Management Accounting	Core	4	
3	Supply Chain Management I (Procurement / Warehousing / Sales)	Core	4	
4	Production and Operation Management (Manufacturing Operations with Maintenance)	Core	4	
5	Human Resource Management	Elective	3	
6	Project Systems			
7	BASIS			
<b>Semester I Total Credits</b>			<b>19</b>	
<b>Choose any one from Sr. No. 5 to 7</b>				
<b>SEM I Examination</b>				
<b>SEMESTER II</b>				
1	ERP Implementation Methodology	Core	4	15 Weeks
2	SAP-Materials Management (Procurement)	Elective	3	
3	SAP - Sales and Distribution (Order Fulfillment)	Elective	3	
4	SAP - SCM Planning and Manufacturing	Elective	3	
5	Advanced ABAP	Elective	3	
6	BASIS	Elective	3	
7	SAP - Financial Accounting (FI) and SAP - Management Accounting (CO)	Elective	3	
8	SAP-Human Capital Management (HCM)	Elective	3	
<b>Semester II Total Credits</b>			<b>16</b>	
<b>Choose any four from Sr. No. 2 to 8</b>				
<b>SEM II End Term Examination</b>				
<b>SEMESTER III</b>				
1	SAP- eAcademy Financials – Financial Accounting (FIN5e)	Elective	9	22 Weeks
2	SAP- eAcademy Financials – Management Accounting (FIN2e)			
3	SAP- eAcademy Human Resources (HCM) – Management Administration (HR1e)			
4	SAP- eAcademy NetWeaver – ABAP Basics (SAP NetWeaver) (AW1e)			
5	SAP- eAcademy SCM – Order Fulfillment (SCM6e)			
6	SAP- eAcademy SCM – Procurement (SCM5e)			
7	SAP- eAcademy SCM – Planning and Manufacturing (SCM4e)			
8	<b>Industry Project</b>	Core	6	
<b>Semester III Total Credits</b>			<b>15</b>	
<b>Choose any one e-learning module for SAP Professional Certification from Sr. No. 1 to 7</b>				
<b>SEM III End Term Examination</b>				
<b>Course Total Credits</b>			<b>50</b>	52 Weeks

*Passionate. Pertinacious. Productive.*

## Faculty

In-house as well as renowned/reputed and well experienced faculty from Industry / R&D organizations / other institutes will be punctuating the learning experience for the entire programme.

COEP also provides elite support to its students with the aid of various guidance sessions conducted from time to time by senior SAP experts representing various Industry environments.

## Project and Training for SAP Certification Exam

Built in Industrial Training is the integral part of the curricular structure to expose the students to the live projects from Industry. Training on various ERP modules for SAP Certification Exam using SAP will be organized by the department in its third semester.

## Post Graduate Diploma Course Certification

All the students who successfully complete the course are awarded **COEP** authorized **PGD-ERP** certificate and certified students are awarded with internationally recognized **certificates** in specialisation of their domain by **SAP Germany**.

## Information to the Candidates

**a) Eligibility Criteria:** Fresh Graduate in any Engineering / Commerce / Management faculty

Those appearing in their final year degree examination may also apply. However, they must submit their degree/provisional degree at the time of counseling/start of the course.

**b) Course Fee:** Course fee is Rs. 3,05,028/- (Rs. Three lakhs five thousand and twenty eight only) which is to be paid at the time of admission.

The course fee is to be paid in the form of demand draft drawn in favour of “**Director, College of Engineering, Pune**”.

Fees include training on SAP module opted by candidate and certification of the same by SAP for the first attempt.

**c) Selection Criteria for Admission:** Candidates will be admitted on the basis of Interview with the selection committee.

The course classes will commence on 13th July 2015.

**d) Last date for receipt of application form :** 6th June 2015

**e) Total number of seats:** Total No. of seats for the program is 30.



**Address for Communication:**

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