A Joint Aerospace Engineering Training Promotion By ISTE and P3

P3 academy

An initiative by P3 Group

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Indian Society of Technical Education

+ add an extra to the ordinary
P3 is a global Engineering Consulting & Services company, headquartered in Germany and its offices present in rest of Europe, Americas and Asia-pacific. A leader in its field, it serves clients in the field of aerospace, automotive, rail, ship and telecommunication. P3 is proud to be serving clients like Airbus, Boeing, Daimler, BMW, Embraer and many other leaders in their respective fields.

WE ARE SPECIALISED IN THE FIELDS OF

AEROSPACE
AUTOMOTIVE
SHIP
RAIL
TELECOMMUNICATIONS

India is a strategic location for P3 to support its global programs and launch new initiatives. India is one of the world’s fastest growing economy and is expected to be a large consumer of products and services to meet its own demands as well as serve global demands from India. This growth brings opportunities for employment in the industry. While a large pool of engineers come out from universities every year, industry wants them to be industry-ready before employment.

According to D&B’s estimates, India is expected to be more than US$ 5 trillion economy by FY20, equivalent to Japan (in terms of GDP in US$) as of 2010.

Sources: CSO, RBI and D&B data

SKILL GAP IS WIDENING

Over the next decade, nearly 3.5 million manufacturing jobs will likely be needed and 2 million are expected to go unfilled due to the skills gap.

The implications are significant:
Every job in manufacturing creates another 2.5 new jobs in local goods and services.

For every $1 invested in manufacturing, another $1.37 is additional value is created in other sectors.

By 2025 the skills gap is expected to grow to 2 million in 2011, 600K jobs were unfilled due to the skills gap.

Source: Deloitte University Press
Being part of the industry, P3 understands needs and expectations to be industry-ready and launches industry-oriented trainings in India. P3 leverages its expertise, infrastructure, global network of experts to bridge the gap between academics and industry needs.

**Training Modules**

**Aircraft Orientation**
- Types of Aircraft - Introduction
- Aircraft Structures
- Hydraulic System
- Electrical System & Avionics Systems
- Aero Engines
- Landing Gear
- Flight Controls & Fuel Systems

**Aerospace Design**
- Design Requirements and Objectives
- Design Processes & Simulation (Conceptual, Preliminary & Detail Design)
- Aerospace Materials (Composites & Metallic)
- Skin & Stringer Design
- Clips & Bracket Design

**Aerospace Structural Analysis**
- Fatigue and Damage Tolerance - Introduction
- History of fatigue in Aerospace industry & conclusions
- Structures classification - Details
- Airworthiness regulations on structures
- Fatigue life analysis
- Fatigue & damage tolerance (F&DT) analysis of repairs and allowable damages

**Introduction to Aircraft Maintenance**
- Aircraft Maintenance History, Definition & Objectives
- Maintenance types (Preventive & Schedule)
- Aerospace Technical Publication
- Aerospace Technical Publication Standards
- Aerospace Technical Publication Manuals