

A Joint Aerospace Engineering Training Promotion By ISTE and P3

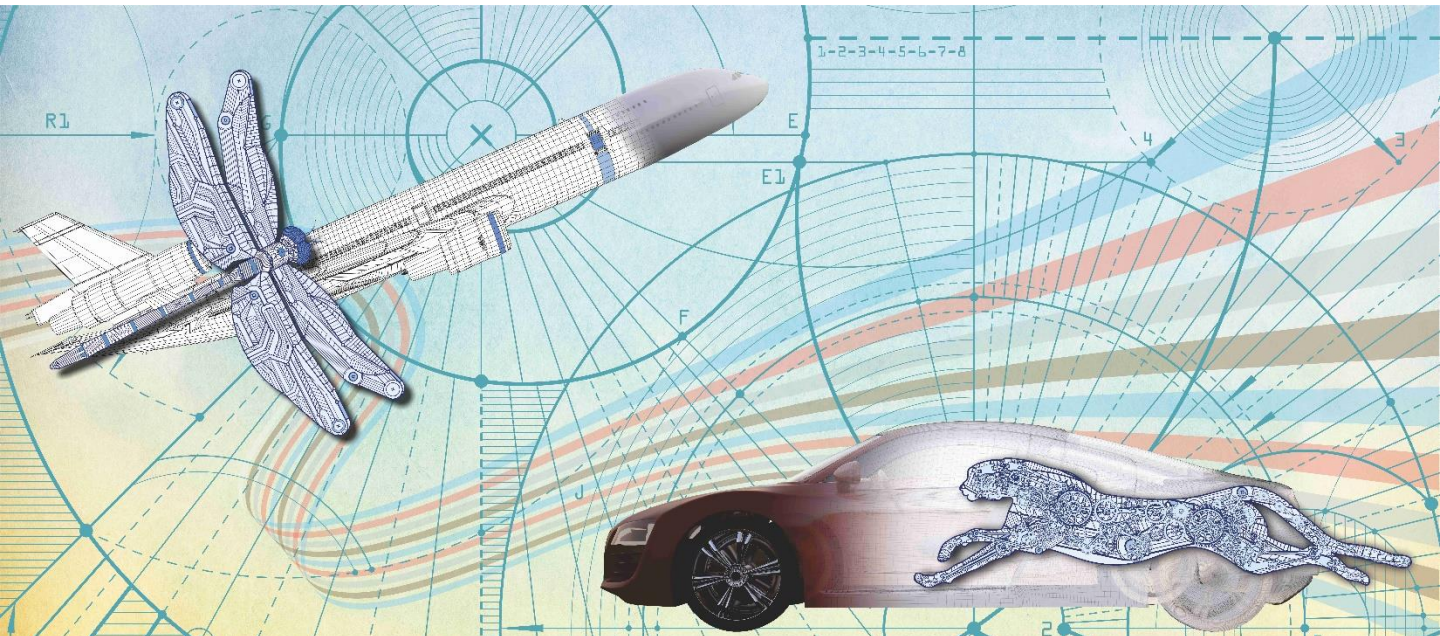
P3

academy

An initiative by P3 Group

&

Indian Society of Technical Education



+ add an extra to the ordinary



+ 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

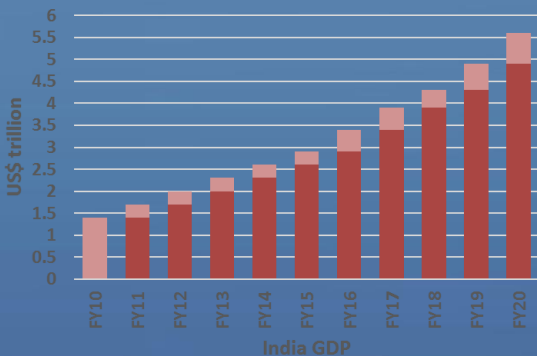


RAIL



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



Over the next decade, nearly 3.5 million manufacturing jobs will likely be needed and

2 million

2015

2025

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.

2.7 million

Baby Boomer retirements

700K manufacturing jobs expected from economic expansion

Only 1.4 million jobs are likely to be filled

3.4 million

Manufacturing jobs are likely to be needed over the Next decade

An expected 2 million

Manufacturing jobs will remain unfilled due to the Skills gap



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

SKILL GAP IS WIDENING



+ add an extra to the ordinary



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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

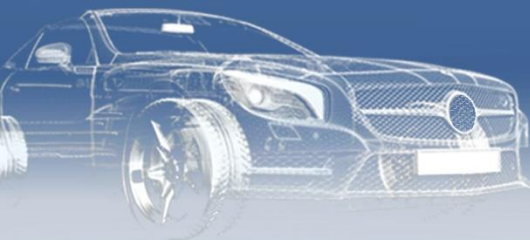
- Design Requirements and Objectives
- Design Processes & Simulation (Conceptual, Preliminary & Detail Design)
- Aerospace Materials (Composites & Metallic)
- Skin & Stringer Design
- Clips & Bracket Design

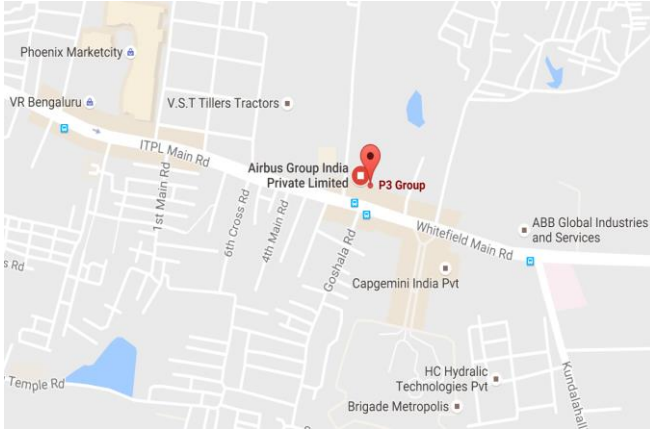
Aerospace Structural Analysis

- 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





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