

Product Design Validation & Optimization using FEM & CFD – An Insight.

Course Details:

Computational Fluid Dynamics (CFD) facilitates design optimization, reduce design bottlenecks and improve engineering performance, enhance communications, and answer what-if questions of the research community. Finite Element Analysis (FEA) is the best ally for a designer/analyst to substantiate of his design against failures even without visiting the experimental lab. This course gives a brief introduction to FEM & CFD.

Course Outline:

Session: 1

- Understanding CFD flow physics
- CFD Techniques & Practices
- Role of CFD in Design Optimization :
Case study & Videos

Session: 2

- FEM Concepts & Practices
- FEA in practice –Analysis types
- Role of FEM for Design validation :
Case study discussion
- 3d Design Modeling using CATIA

Who should attend?

- Design Engineers / Mechanical Engineers.
- Shop Engineers, Maintenance Engineers
- Process Engineers
- Flow engineers / Thermal Engineers

Duration: 1 day - (6 hours)

Time: 8:30 to 11:30 am & 1 to 4 pm

▶▶▶ Training Consultation

Salamah Consulting Engineering

#904, Al Jarbou Administrative Tower
King Abdullah St.(Dhahran St.)
& Prince Humood St. Al Khobar
Saudi Arabia

T1: +966 03 8670307

T2: +966 03 8670309

E: info@salamahconsulting.com