



YOUR DESTINATION TO LEARN REAL WORLD ENGINEERING SKILLS

COURSE INFORMATION BROCHURE

INDUSTRY ORIENTED COURSES, TRAINED BY HIGHLY QUALIFIED INSTRUCTORS

RECOMMENDED TRAINING CONTENT BY ANSYS & SOLIDWORKS

EMPHASIZE ON REAL-WORLD APPLICATIONS WITH LIVE PROJECTS

CERTIFICATION VALUED AND RECOGNIZED BY VARIOUS INDUSTRY

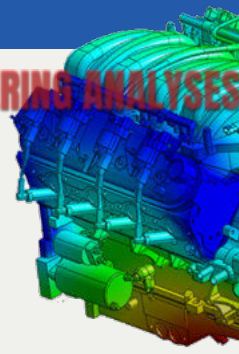
UNMATCHED PLACEMENTS RECORD, TO BOOST YOUR CAREER



AUTHORIZED TRAINING CENTER



BENEFIT FROM OUR UNPARALLELED EXPERTISE, LEARN FROM REAL-WORLD ENGINEERING ANALYSES AND ANSYS & SOLIDWORKS TRAINING APPLICATIONS - NOT TEXTBOOK EXAMPLES.



AT OUR AUTHORIZED TRAINING CENTER (ATC), YOU CAN:

- Learn from highly qualified instructors at superior facilities
- Receive ANSYS and SOLIDWORKS content from certified trainers
- Develop your skill with sample industrial projects and exercises that emphasize REAL-WORLD applications
- Choose a course most appropriate to meet your career needs
- Earn a Certificate of Completion that is valued and recognized in your industry

COURSES OFFERED BY ATC

ESSENTIAL COURSES

Get ready for the industry in the least time possible, we have designed the essential courses in CAD (SOLIDWORKS) and CAE (ANSYS) for you to begin on fastrack. These courses are suitable for students, company owners, managers, and enthusiasts.

EXPERT COURSES

Arm yourself with solid skills and knowledge by joining our Expert courses. The courses covers syllabus from very basic to expert level. These courses are suitable for freshers, professionals and anyone who wants to become Expert in CAD/CAE and CFD.

DIPLOMA COURSE

Our Diploma course is job focused course for fresh engineers, working professionals and anyone who wants to dedicate his/her career in design and development. This course covers not only CAD & CAE but productivity tools too.

1. ANSYS ESSENTIAL

MODULE 1:	GEOMETRY MODELING AND EDITING TECHNIQUES
MODULE 2:	ANSYS MECHANICAL BASICS
MODULE 3:	PRE-PROCESSING IN ANSYS
MODULE 4:	MESHING IN ANSYS MECHANICAL
MODULE 5:	CONNECTIONS ANALYSIS
MODULE 6:	BOUNDARY CONDITIONS
MODULE 7:	STATIC ANALYSIS IN ANSYS
MODULE 8:	MODAL ANALYSIS IN ANSYS
MODULE 9:	THERMAL ANALYSIS IN ANSYS
MODULE 10:	RESULTS AND POST-PROCESSING TECHNIQUES IN ANSYS
MODULE 11:	INTRODUCTION TO ANSYS FLUENT

COURSE DURATION : 25 Hrs

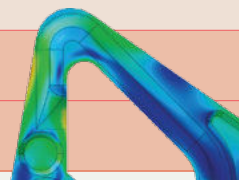
COURSE FEES: ₹ 10,000 /-

2. SOLIDWORKS ESSENTIAL

MODULE 1:	SOLIDWORKS BASICS
MODULE 2:	SKETCHING
MODULE 3:	BASIC PART MODELING
MODULE 4:	SYMMETRY & DRAFT
MODULE 5:	PATTERNING
MODULE 6:	REVOLVED FEATURES
MODULE 7:	SHELLING & RIBS
MODULE 8:	USING DRAWINGS /DRAFTING
MODULE 9:	BOTTOM-UP ASSEMBLY MODELING
MODULE 10:	USING ASSEMBLIES
MODULE 11:	DESIGN AUTOMATION

COURSE DURATION : 25 Hrs

COURSE FEES: ₹ 10,000 /-



3. ANSYS MECHANICAL EXPERT

MODULE 1:	GEOMETRY EDITING TECHNIQUES & FEA THEORY WITH APPLICATIONS
MODULE 2:	MESHING & ITS TECHNIQUES
MODULE 3:	PRE & POST PROCESSING IN ANSYS
MODULE 4:	STATIC & FATIGUE ANALYSIS
MODULE 5:	THERMAL ANALYSIS
MODULE 6:	BUCKLING AND MODAL ANALYSIS
MODULE 7:	DYNAMIC RESPONSE ANALYSIS
MODULE 8:	NON-LINEAR ANALYSIS
MODULE 9:	COMPOSITE MATERIALS ANALYSIS
MODULE 10:	SIMULATION BASED OPTIMIZATION
MODULE 11:	EXPLICIT DYNAMICS ANALYSIS

COURSE DURATION : 156 Hrs

COURSE FEES: ₹ 35,000 /-

4. ANSYS CFD EXPERT

MODULE 1:	GEOMETRY EDITING TECHNIQUES & CFD THEORY WITH APPLICATIONS
MODULE 2:	ANSYS FLUENT / CFX INTRODUCTION
MODULE 3:	MESHING TECHNIQUES FOR CFD
MODULE 4:	FLUID FLOW ANALYSIS [INTERNAL & EXTERNAL]
MODULE 5:	CONJUGATE HEAT TRANSFER [CHT]
MODULE 6:	HEAT TRANSFER WITH RADIATION
MODULE 7:	ROTATING REF FRAME ANALYSIS
MODULE 8:	MULTIPHASE ANALYSIS [MIXTURE & VOF]
MODULE 9:	MULTI-SPECIES ANALYSIS
MODULE 10:	SLIDING & DYNAMIC MESH
MODULE 11:	POST PROCESSING TECHNIQUES

COURSE DURATION : 156 Hrs

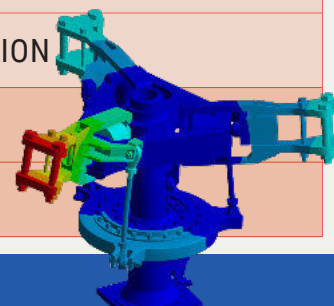
COURSE FEES: ₹ 35,000 /-

5. SOLIDWORKS EXPERT MECHANICAL CADD

MODULE 1:	INTRO TO SOLIDWORKS & IT'S GUI	MODULE 9:	SHEET METAL
MODULE 2:	SKETCHING [2D & 3D]	MODULE 10:	WELDMENTS / FABRICATION
MODULE 3:	BASIC PART MODELING	MODULE 11:	SURFACING
MODULE 4:	BOTTOM-UP ASSEMBLY MODELING	MODULE 12:	COMPLEX SHAPE MODELING USING HYBRID APPROACH
MODULE 5:	ADVANCE PART MODELING	MODULE 13:	ADV. PRODUCTIVITY TOOLS
MODULE 6:	TOP-DOWN ASSEMBLY MODELING	MODULE 14:	GEOM. DIM & TOLERANCING [GD&T]
MODULE 7:	DRAWINGS / DRAFTING	MODULE 15:	TEMPLATE AND LIBRARY CREATION
MODULE 8:	DESIGN AUTOMATION	MODULE 16:	ANIMATION CREATION

COURSE DURATION : 120 Hrs

COURSE FEES: ₹ 31,000 /- + SOLIDWORKS CSWA CERTIFICATION - ₹ 7,000 /-



6. DIPLOMA IN ENGINEERING DESIGN & VALIDATION

MODULE 1: SOLIDWORKS EXPERT

MODULE 6: EQUIPMENT PIPING / ROUTING

MODULE 2: ANSYS MECHANICAL OR CFD EXPERT

MODULE 7: ENGG. OPTIMIZATION TECHNIQUES

MODULE 3: ENGINEERING CALCULATION USING EXCEL

MODULE 8: INTRO TO DESIGN STANDARDS

MODULE 4: ENGINEERING PROGRAMMING USING SMATH

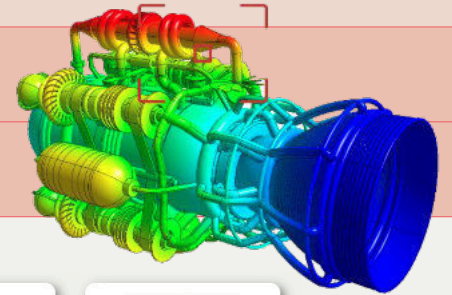
MODULE 9: INTERVIEW SKILLS WORKSHOP

MODULE 5: TOLERANCE STACK UP ANALYSIS

MODULE 10: INDUSTRIAL PROJECT

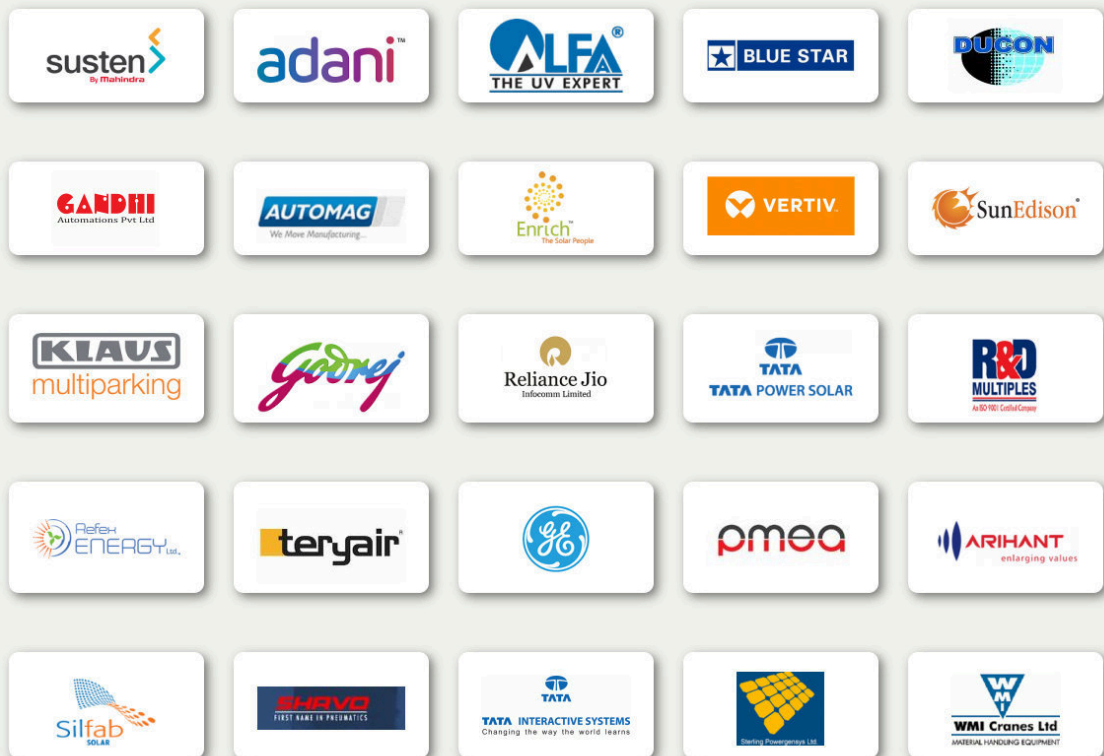
COURSE DURATION : 300 Hrs

COURSE FEES: ₹ 55,000 /-



18% GST SHALL BE APPLICABLE ON COURSE FEES

PLACEMENTS



WITH DIPLOMA COURSE YOU ARE ELIGIBLE FOR PLACEMENTS

CONTACT US

ADDRESS: 102, CORPORATE ARENA, SITARAM PATKAR ROAD
DP PIRAMAL, GOREGAON WEST, MUMBAI 400 104

+91 9819907517

anirmal@shirsh.com | shirsh.com | peti.co.in