Short Term Training Program
CAE
SOFTWARE

FOR CAD/CAM/CAE/CNC (Mechanical / Production / Automobile Engineering or Equivalent) PROFESSIONALS AND INDUSTRIAL PROFESSIONALS

COURSE	CONTENTS	DURATION		COURSE FEES	GST
ANSYS BASIC (APDL)	INTRODUCTION TO FEA ANSYS & DIFFERENT TYPES OF INTERFACES ANSYS BASICS GENERAL ANALYSIS PROCEDURE STRUCTURAL ANALYSIS THERMAL ANALYSIS MODAL ANALYSIS	**72HRS** (3 WEEKS, 4 HRS / DAY)	Registration Fee Of Rs. 300/- Applicable To All Courses	₹ 8,000/-	ALL INCLUDED (GST & REGISTRATION FEES)
ANSYS WORKBENCH	INTRODUCTION TO WORKBENCH MECHANICAL BASIC, MESHING STATIC STRUCTURAL MODAL ANALYSIS, LINEAR BUCKLING THERMAL ANALYSIS POST PROCESSING	**72HRS** (3 WEEKS, 4 HRS / DAY)		₹ 8,000/-	
Ansys (CFD)	INTRODUCTION TO CFD, CFX & FLUENT, DESIGN MODELER, MESHING, TURBULENT MODELS, BOUNDARY CONDITION SPECIFICATIONS SOLVER SOLUTION METHODS & HYDRODYNAMIC, AERODYNAMIC, HEAT TRANSFER/ THERMAL ANALYSIS INT.& EXT. FLOWS, POST-PROCESSING / RESULTS	**72HRS** (3 WEEKS, 4 HRS / DAY)		₹ 8,000/-	
HYPERMESH	INTRODUCTION TO FEA , HYPERMESH GEOMETRY CREATION 2D MESHING 3D MESHING MESH ANALYSIS OPTISTRUCT INTRODUCTION TO HYPERFORM HYPER VIEW	**72 HRS** (3 WEEKS, 4 HRS / DAY)		₹ 8,000/-	
MOLDEX-3D	INTRODUCTION & HISTORY OF CAE IMPORT CAVITY BUILDING RUNNER SYSTEM MODEL MESHING FEED SYSTEM CREATING MOLDING PROCESS & ANALYSIS FLOW PACK, WARP, COOLING RESULTS	**72HRS** (3 WEEKS, 4 HRS / DAY)		₹ 8,000/-	
HYPERFORM	INTRODUCTION TO FEA, HYPERMESH GEOMETRY CREATION ONE STEP ANALYSIS INCREMENTAL VISUALIZATION BY HYPERVIEW SOLVING THOUGH RADIOS SOLVER	**72HRS** (3 WEEKS, 4 HRS / DAY)		₹ 9,000/-	
PRODUCT DESIGN	FUNDAMENTALS OF DESIGN, SKETCHING & OPTIMIZING PREPARING CAD GEOMETRY, MINIMIZING MASS RUNNING A BASELINE ANALYSIS, SIMPLIFYING GEOMETRY ADDITIVE MANUFACTURING TECHNOLOGY FUNDAMENTALS OF ADDITIVE MFG.& APPLICATION	**72 HRS** (3 WEEKS, 4 HRS / DAY)		₹ 10,000/-	
PRODUCT DESIGN VALIDATION	FUNDAMENTALS OF DESIGN VALIDATION THEORY OF MACHINES AND MECHANISMS FINITE ELEMENT ANALYSIS - MESH GENERATION LINEAR STATIC AND HEAT TRANSFER ANALYSIS DYNAMIC, NONLINEAR ANALYSIS STRUCTURAL OPTIMIZATION	**72HRS** (3 WEEKS, 4 HRS / DAY)		₹ 10,000/-	
FLOW AND THERMAL ANALYSIS USING HYPERWORKS	FUNDAMENTALS OF FLUID MECHANICS INTRODUCTION TO HEAT TRANSFER TYPES OF FLOWS INTRODUCTION TO COMPUTATIONAL FLUID DYNAMICS PIPE FLOW, CONJUGATE HEAT TRANSFER, WORKSHOPS	**72HRS** (3 WEEKS, 4 HRS / DAY)		₹ 10,000/-	
TOOLING SIMULATION USING HYPERWORKS	FUNDAMENTALS OF MANUFACTURING SHEET METAL FORMING SIMULATION EXTRUSION PROCESS SIMULATION MODELING DIES WITH SYMMETRY PLANES TOOL DEFLECTION TOOL DEFLECTION ANALYSIS, SHAPE OPTIMIZATION	**72HRS** (3 WEEKS, 4 HRS / DAY)		₹ 10,000/-	

Note:

- **One batch will be started from the First & Third Monday of every month for all courses.**
- **Institute reserves right to incorporate changes in course contents, course duration, Intake Capacity, No. of batches & course fees without prior notice.**
- **For Non NSQF compliance courses course fee exemption in case of SC ST candidates is not applicable**