

Short Term Training Program

(2019-20)
CAE SOFTWARE

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

COURSE	CONTENTS	DURATION	Registration Fee Of Rs. 300/- Applicable To All Courses	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)			₹ 9,000/-	GST 18% Extra On Registration Fee & Course Fee Is Applicable To All Courses
ANSYS WORKBENCH	INTRODUCTION TO WORKBENCH MECHANICAL BASIC, MESHING STATIC STRUCTURAL MODAL ANALYSIS, LINEAR BUCKLING THERMAL ANALYSIS POST PROCESSING	72HRS (3 WEEKS, 4 HRS / DAY)			₹ 9,000/-	
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)			₹ 11,000/-	
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)			₹ 9,000/-	
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 THROUGH 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