

Short Term Courses

(2017-18)

TOOL DESIGN

**FOR CAD/CAM/CAE/CNC (Mechanical / Production / Automobile Engineering or Equivalent)
PROFESSIONALS & INDUSTRIAL PROFESSIONALS
FOR SMALL SCALE INDUSTRIES (ENGINEERS / SUPERVISORS)**

COURSE	CONTENTS	DURATION	Registration Fee Of Rs. 300/- Applicable To All Courses	COURSE FEES	GST	
PRESS TOOL DESIGN USING CIMATRON	BLANK DEV. SIMPLE TO COMPLEX PARTS TRANSFER AND PROGRESSIVE NESTING COMPOUND TOOL DESIGN PROGRESSIVE 3D TOOL DESIGN MOTION ANALYSIS, BOM AND DRAFTING	72 HRS (3 weeks, 4 hrs / day)			₹ 11,000/-	GST 18% Extra On Registration Fee & Course Fee Is Applicable To All Courses
MOULDS DESIGN USING CIMATRON	CORE CAVITY EXTRACTION INSERTS MANAGEMENT ELECTRODE MANAGEMENT 3D MOULD DESIGN MOTION ANALYSIS, BOM AND DRAFTING (PART & ASSEMBLY)	72 HRS (3 weeks, 4 hrs / day)			₹ 11,000/-	
DIE CASTING DIES USING CIMATRON	COVER AND EJECTOR DIE DESIGN ELECTRODE MANAGEMENT, 3D DIE CASTING DIE, MOTION ANALYSIS, BOM & DRAFTING, (PART AND ASSEMBLY)	72 HRS (3 weeks, 4 hrs / day)			₹ 11,000/-	
DESIGN OF JIGS & FIXTURES	INTRODUCTION ELEMENTS & THEIR FUNCTION JIGS & FIXTURES & THEIR CLASSIFICATION TOOL DESIGN PARAMETERS DESIGN OF JIGS & FIXTURES MATERIALS FOR JIGS / FIXTURE ELEMENTS MAINTENANCE, SAFETY & STORAGE	48 HRS (2 WEEKS, 4 HRS / DAY)			₹ 8,000/-	
DESIGN OF GAUGES	INTRODUCTION ELEMENTS & THEIR FUNCTION GAUGES & THEIR CLASSIFICATION TOOL DESIGN PARAMETERS DESIGN OF GAUGES MATERIALS FOR GAUGE ELEMENTS MAINTENANCE, SAFETY & STORAGE	48 HRS (2 WEEKS, 4 HRS / DAY)			₹ 8,000/-	
DESIGN OF CUTTING TOOLS	INTRODUCTION TOOL GEOMETRY METAL CUTTING THEORY DESIGN OF CUTTING TOOLS MATERIALS FOR CUTTING TOOLS DEFECTS & REMEDIES MAINTENANCE, SAFETY & STORAGE	48 HRS (2 WEEKS, 4 HRS / DAY)			₹ 8,000/-	
PRESS TOOL DESIGN & SIMULATION USING HYPERFORM	INTRODUCTION TO PRESS TOOL - ELEMENTS & THEIR FUNCTIONS - PRESS TOOL OPERATION & CLASSIFICATION - DESIGN PARAMETERS - INTRODUCTION TO HYPERMESH & HYPERFORM - HYPERFORM SOLVER - SIMULATION USING OPRTRISTRUCT	72 HRS (3 weeks, 4 hrs / day)			₹ 11,000/-	
MOULD DESIGN & SIMULATION USING MOLDEX-3D	INTRODUCTION & HISTORY OF CAE - IMPORT MODEL - BUILDING FEED SYSTEM USING ADVISER - BUILDING COOLING SYSTEM - CFCPW - FLOW PACK, WARP, COOLING RESULTS	72 HRS (3 weeks, 4 hrs / day)			₹ 10,000/-	
CASTING WITH ADDSTEFAN	INTRODUCTION TO DIE CASTING DESIGN - ELEMENTS & THEIR FUNCTIONS - DIE CASTING OPERATION & CLASSIFICATION - DESIGN PARAMETERS - MINIMIZING DEFECTS - DESIGN IMPROVEMENT - COST REDUCTION	72 HRS (3 weeks, 4 hrs / day)			₹ 10,000/-	
ADVANCE MOULD DESIGN & SIMULATION USING MOLDEX-3D	INTRODUCTION & HISTORY OF CAE - HOT RUNNER INJECTION MOULD - MCM-MULTI COMPONENT MOULDING - METALLIC INSERTS MOULDING - CFCPW - FLOW PACK, WARP, COOLING RESULTS	72 HRS (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