

# Short Term Courses

(2018-19)

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