



## Mastercam

## Training Details

<b>Course Code</b>	<b>: HCCC14</b>
<b>Course Name</b>	<b>: Mastercam</b>
<b>Duration</b>	<b>: 2 Months</b>
<b>Eligibility</b>	<b>: Diploma / BE / ME (MECH) / ITI / +2 / Equivalent</b>

## Syllabus:

- Introduction to CNC Machines
- Introduction to MASTERCAM
- Product Introduction
- Basic concepts of CAM (cutters, machines job setup, etc)

## Create

- point, line, arc
- fillet, chamfer, spline
- curve, surface, drafting
- Rectangle, Rectangle shape
- polygon, ellipse
- spiral, helix, primitives
- litter, boundary box
- bolt circle

## Solids

- extrude, revolve, sweep

**Address:**  
163 C/1, First Floor, Kamarajar Salai,  
NP TVS Showroom Opp., Ganesh Theatre Signal,  
Santha Pettai Bus Stop Near,  
Madurai – 625 009.



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*We Changed ur thinking, it Changed ur Life...*

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- loft, fillet, chamfer
- shell, trim, thicken
- remove face, draft face
- pattern, boolean add
- boolean remove
- boolean common
- non associative, find features
- from surface, layout
- face / features colours

### **Edit**

- Trim/Brake
- join entities
- modify spline

### **Analyze**

- entities properties, position
- distance, volume / area
- chain, contour
- angle, dynamic

### **Xform**

- Translate, translate 3d
- mirror, rotate
- scale, dynamic xform
- move to origin, offset
- offset contour, project
- rectangular array
- practice sketch 07&08
- Program surface rough- pocket

### **Screen**

- Clear colour, statistics
- display entity endpoints

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- blank entity,
- un blank entity
- hide entity
- unhide some
- grit setting
- shade setting

### **Creating 2D Program**

- Pocket, Contour, Facing, Drilling
- Transforming 2D tool paths (Translate, Rotate, Mirror)
- Hole milling, slot milling and helical milling tool paths
- Back plot, Verification, post processing

### **Creating 3D Program**

- boundary box, Orientation, Analyzing
- Pocket, Contour, Shallow, Parallel, Restmilling, Corner finishing tool paths
- Back plot, Verification, Gouge checking, Post – processing, Editing of programs

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