



NX CAD

Training Details

Course Code	: HCCC11
Course Name	: NX CAD
Duration	: 2 Months
Eligibility	: Diploma / BE / ME (MECH) / ITI / +2 / Equivalent

Syllabus:

- Introduction to **3D** modeling
- Introduction to **NX CAD**

Graphical User Interface(GUI) :

NEW:

- Model
- Assembly
- Drawing

Sketch Curve :

- Direct Sketch, Profile
- Rectangular, Line
- Arc, Circle, Point
- Chamfer, Fillet
- Quick Trim, Quick Extend
- Make corner, Move Curve
- Offset curve, Studio Spline
- Polygon, Ellipse
- Conic, Pattern curve

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...

- Mirror curve, Helix

Sketch Constraints

- Geometric Constraints
- Dimensional Constraints
- Continuous Auto Dimensioning
- Display Sketch Constraints
- Show/Remove Constraints

Datum

- Datum Plane
- Datum Axis
- Datum CSYS
- Point

Design Feature

- Extrude, Revolve
- Block, Cylinder
- Cone, Sphere
- Sweep Along Guide, Swept
- Variable section Sweep, Tube
- Hole, Boss, Pocket
- Pad, Emboss, Slot, Groove
- Rib, Dart, Thread

Associative Copy :

- Pattern feature, Unite
- Subtract, Intersect
- Edge Blend, Trim Body
- Split Body, Divide Face
- Shell, Thicken
- Scale Body
- Draft, Draft Body
- Edge Blend

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- Face Blend

Synchronous Modeling :

- Move face
- Pull Face
- Offset region
- Replace face
- Resize face
- Delete face
- Resize blend
- Resize chamfer
- Copy Face
- Cut Face
- Paste Face
- Mirror Face
- Pattern Face

RENDER:

- True shading
- True shading Editor
- Basic Lights
- Scene Editor
- Materials/textures
- High Quality Image

Tools :

- Utilities
- Materials
- Movie
- Measure

ASSEMBLY:

- Add Component

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- Assembly Constraints
- Show and Hide Constraints
- Pattern Component
- Mirror Assembly
- Move Component.
- Rotate Component

Exploded View :

- New Explosion
- Edit Explosion
- Auto Explode Components
- Un Exploded Components
- Delete Explosion
- Hide Explosion
- Show Explosion
- Trace lines

DRAFTING OR DRAWING:

- New Sheet
- View creation wizard
- Base view
- Projected view
- Detail view
- View Break
- Section view
- Half Section View
- Revolved Section View
- Breakout Section View
- Update Views

Dimension:

- Rabid
- Linear
- Radial

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- Angular
- Ordinate

Annotation:

- Note
- Feature Control Frame
- Datum feature symbol
- Datum Target
- Balloon
- Image
- Intersection symbol
- Surface finish symbol
- Centre Mark
- Blot Circle Centerline
- Circular Centerline
- Symmetrical Centerline
- 2D Centerline
- Automatic Centerline
- Cross Hatch
- Area Fill
- Tabular Note
- Parts List
- Auto Balloon
- Edit Settings

Import and Exports :

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