

## STUDENT KIT (ABSOLUTELY FREE)



Key Chain



Pen



Notepad



Tutorial DVD



Referral Coupon



Kit Folder

## MULTI UTILITY STUDENT PANEL

Course Details  
TrackingCertificate  
Display

e-Books

Training  
Schedules

Tutorial

Placements  
NotificationDigital Safe  
For Document

## TRANSFER FACILITY



Transfer facility in 100+ centres across India. Free 1 year revision on any upgrade version.



## INDUSTRIAL VISITS

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## PLACEMENT ASSISTANCE

Placement  
GuidanceVacancy  
AlertCareer  
Counseling

## EXPLORE COURSES

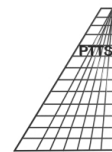


## CORPORATE OFFICE :

Pixel Tower, Beside Morani Motors,  
Sitabari, Tonk Road, Jaipur-11 (Raj.)

Helpline : +91-7378123123, 7378123128

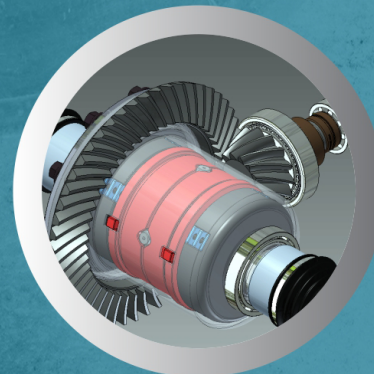
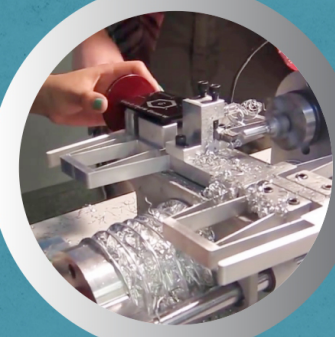
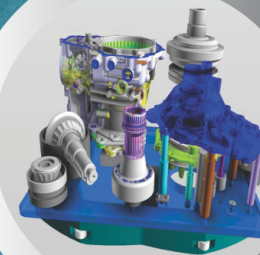
## AREA OFFICE :



**CAD DESK**<sup>®</sup>  
TRAINING • PLACEMENT • SOFTWARE • CONSULTANCY

India's leading  
**CAD/CAM/CAE** training company

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A step towards  
refining engineering skills...

Course  
Summary

Mechanical  
CAD

**CAD DESK assures it's students to provide the best quality training and to make them industry ready.**

CAD DESK keeps updated training modules, courses, technology and training methodology as per industrial requirement. You can entrust latest curriculum with CAD DESK that leads you miles ahead.

Our trainers are certified by CAD DESK certified trainer program. This ensures that students are delivered a uniform and quality training by faculty at every centre of CAD DESK.

Students are provided day wise schedules of every course to ensure coverage of entire syllabus. These schedules are available on students panel.

CAD DESK takes regular feedback from enrolled students to ensure all round satisfaction. This entrust that students are provided quality training, books, proper infrastructure & live projects.

CAD DESK has new developed and updated courseware and exercise books, that are provided to every students. These books have ease to learn approach.

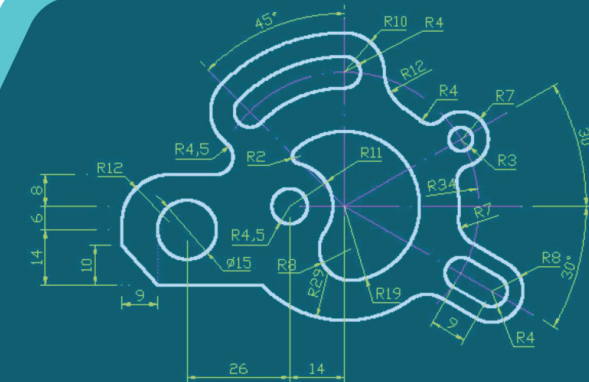


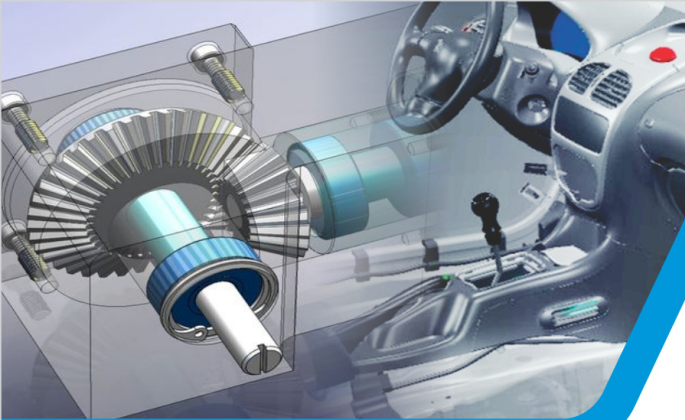
- As an Engineering Drafting Tool.
- As a Graphic Design Tool.
- As an architectural planning tool.
- In 3D Printing.
- In the Fashion Industry.
- As an Industrial Design Tool.

- 2D Drafting.
- Drafting Setting Toolbar.
- Modifying Toolbar.
- Styles Managers.
- Palettes.
- Geometric and Dimensional Constraints.
- Express Tools.
- Linking and Extraction.
- Plotting.
- Render, Animation.
- Annotation.
- Layer.
- Design Center.
- 3D Modeling.



CAD stands for "Computer Aided Design." AutoCAD is a two-dimensional and three-dimensional design software produced by the Autodesk Company. It is a computer-aided drafting software program used to create blueprints for buildings, bridges, computer chips, machineries & products among other things. It includes a powerful suite of features to improve workflow and create true-to-life maps, diagrams, structures and schematics. AutoCAD is used across a wide range of industries, by architects, project managers, engineers, graphic designers, and many other professionals.





## SolidWorks

SolidWorks is a solid modeling computer-aided design (CAD) and computer-aided engineering (CAE) computer program that runs on Microsoft Windows. SolidWorks is published by Dassault Systems. SolidWorks is a solid modeler, and utilizes a parametric feature-based approach to create models and assemblies.

## Catia V5

CATIA V5 is the leading solution for product development success. It addresses all manufacturing organizations, from OEMs through their supply chains, to small independent producers. CATIA, for virtual product design, can be applied to a wide variety of industries. CATIA supports product engineering, from initial specification to product-in-service, in a fully-integrated manner.

## LEARNING OBJECTIVES

### SolidWorks

- Introduction to solid works.
- Sketch entities.
- Sketch modifying tools.
- Part modeling.
- Reference geometry.
- Advance modelling tool.
- Introduction to assembly.
- Applying advance mates.
- Mechanical mates.
- Dimensioning.
- Tables.
- Surface modeling.
- Sheet metal design.
- Import / export cad files to other software.

### Catia V5

- GUI of CATIA V5.
- Workbenches of CATIA.
- Sketcher.
- Apply Material, Type of Materials.
- Reference elements.
- Transformation Features.
- Boolean Operations.
- Assembly.
- Constraints.
- Wireframe and Surface.
- Generative Sheet Metal.
- Cutting/Stamping.
- Drafting.
- Dimensioning.
- Annotations.

## Creo

Creo Parametric is the essential tool for 3D CAD. Creo enables companies to make dramatic improvements in their engineering, manufacturing and service processes.



## Art CAM

ArtCAM is an all-in-one CAD/CAM software package for designing artistic products and manufacturing them using CNC machine tools or laser-engraving machines. You can create 2D designs and 3D designs by importing reliefs or creating reliefs from vectors and bitmaps. When you have finished creating the 2D or 3D design, you can choose a machining tool path to manufacture the design into a product. After ArtCAM calculates and generates the tool path, you can simulate the tool path, before then saving it and exporting the data to the machine.

## LEARNING OBJECTIVES

### Creo

- Interface of Creo.
- Sketch.
- Part.
- Assembly.
- Sheet metal.
- Surface.
- Rotational bends.
- Drafting.
- Geometric tolerance.
- BOM.
- Generating balloons.

### Art CAM

- Bitmap layers
- Vector tools
- Font creator
- Advanced 2D machining
- Nesting
- Texture tool path
- Feature machining
- Raised round engraving
- Smart engraving
- File import

## NX CAD

NX CAD software package originally developed by Unigraphics, But since 2007 managed by Siemens PLM software. NX enables you to freely use any modeling approach that fits your design challenge. NX design tools are superior in power, versatility and productivity. You can work faster and more efficiently in the full range of design tasks, from 2D layout through 3D modeling, assembly design, drafting and documentation.

## NX CAM

NX CAM has a tightly integrated post processing system. Multiple levels of NC program validation include G-code-driven simulation, which eliminates the need for separate simulation packages. It also avails wide range of 2-axis and 3-axis machining capabilities for prismatic and freeform parts – ranging from manual tool path creation and editing to advanced, automated cutting methods. It includes routines for roughing, multiple-pass finishing, grooving, thread cutting and centerline drilling.

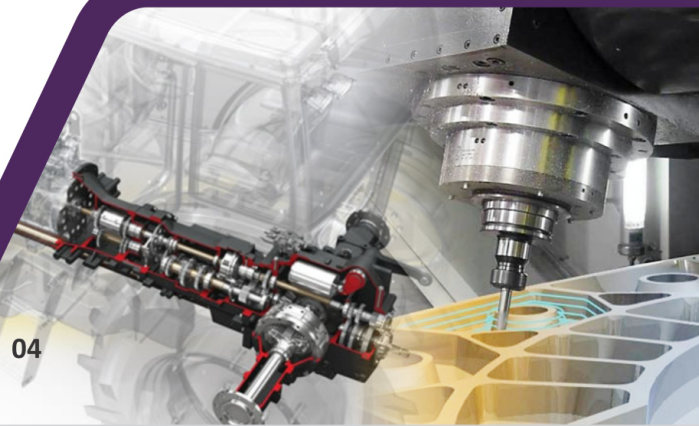
## LEARNING OBJECTIVES

### NX CAD

- Interface of NX CAD.
- Sketch.
- Design feature.
- Assembly.
- Sheet metal.
- Drafting.
- View creation wizard.
- Custom symbol.
- Drawing format.

### NX CAM

- Types of manufacture process.
- Types of milling operation.
- Face milling operation.
- Planar profile operation.
- Planer text milling operation.
- Mixed operation of planer mill.
- Cavity milling operation.
- Z- level milling operation.
- Multi axis milling operation.
- Multi blade axis operation.
- Turning operation.
- Drilling operation.
- Counter boring operation.
- Milling & turning mixed operation.

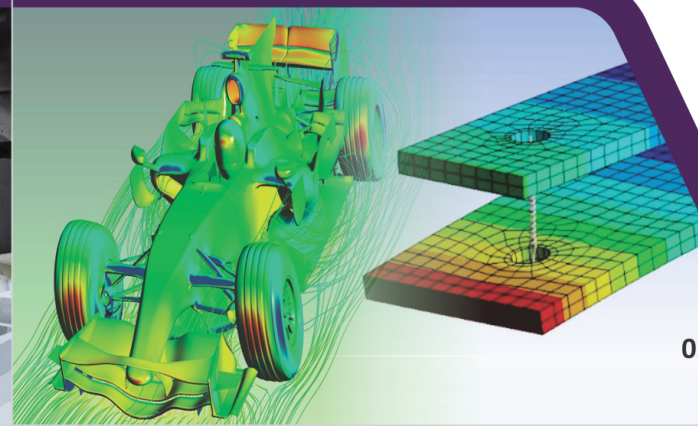


## ANSYS Workbench

ANSYS Workbench is a new-generation solution from ANSYS that provides powerful methods for interacting with the ANSYS solver functionality

## ANSYS CFD

CFD mainly deals with the numerical analysis of fluid dynamics problems, which embodies differential calculus. The equations involved in fluid dynamics are Navier–Stokes equations.



## LEARNING OBJECTIVES

### ANSYS Workbench

- Static Structure Simulation
- Study State Thermal Simulation
- Modal Analysis
- Explicit Dynamics Simulation
- Rigid Body Dynamics
- Transient Thermal
- Transient Structure
- DesignXplorer

### ANSYS CFD

- Turbulence Modeling
- Energy Modeling
- Multiphase Simulation
- Combustion Modeling
- Radiation Modeling
- Fluid Solid Interaction
- Design Optimization



## Revit MEP

Revit MEP is a building information modeling (BIM) software created by Autodesk for professionals who engage in MEP engineering. MEP stands for mechanical, electrical, and plumbing, which are the three engineering disciplines that Revit MEP addresses. Revit MEP is used by professionals across many industries to help reduce risk, develop better quality designs, and improve project delivery.

## Fusion 360

Fusion 360 is a cloud-based 3D CAD, CAM, and CAE platform for product development. It combines industrial and mechanical design, simulation, collaboration, and machining in a single package. Fusion 360 involves all the modelling capabilities similar to the 3D modelling software with more efficiency and result generation.

### LEARNING OBJECTIVES

#### Revit MEP

- Introduction about MEP.
- HVAC network.
- Basic drawing & modify tools.
- Plumbing network.
- Create building model for MEP layout.
- Advance for HVAC.
- Spaces & zones.
- Energy analysis.
- Electrical system.
- Tops & schedule.
- Creating details.

#### Fusion 360

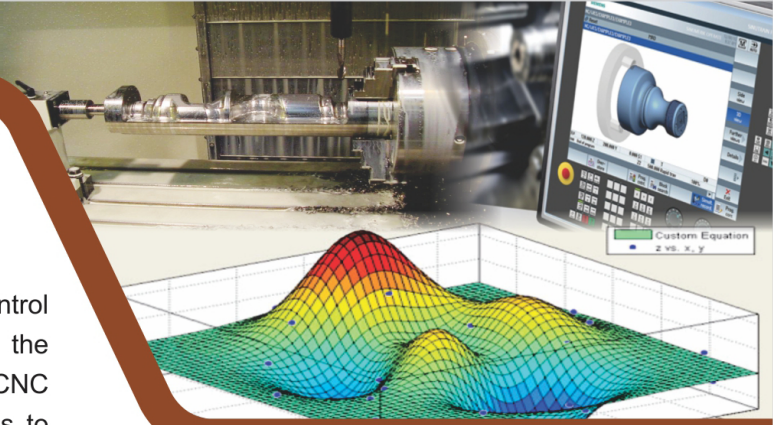
- Introduction.
- Sketch entities.
- Sketch modifying tools.
- Part modeling.
- Solid modifying.
- Construction tool & inspect.
- Assembly.
- Freeform.
- Surface modeling.
- Animation.
- Simulation.
- CAM.
- Drawing.

## CNC Programing & Operation

Development of Computer Numerical Control (CNC) is an outstanding contribution to the manufacturing industries. With the help of CNC technology. The objective of this program is to transfer knowledge and to impart special skills to those engaged in the promotion and facilitation of CNC technologies.

### LEARNING OBJECTIVES

- Understand the basic procedures and concepts of programming, set up and operation of a CNC Machining Center.
- Introduction to CNC.
- Introduction to codes.
- G codes.
- M codes.
- Fundamentals of CNC lathe.
- Offset settings.
- Part programming.
- Import and Export program.
- Different canned cycles.
- Grooving cycle.
- Thread cycle.
- Fundamentals of CNC MILLING.



## Matlab

MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-to-use environment where problems and solutions are expressed in familiar mathematical notation. MATLAB is the tool of choice for high-productivity research, development, and analysis.

### LEARNING OBJECTIVES

- Introduction of Matlab.
- Scalar mathematics.
- Creating array.
- Array operation.
- 2 D plots.
- Script files.
- Function files.
- Mat lab programming.
- Polynomial.
- Curve fitting and interpolation.
- Symbolic math.
- Simulink.
- Built in functions.

## AUTHORISED SAMPLE CERTIFICATES



## CAD DESK ALLIANCE PARTNERS



08



## OUR ALL INDIA TRAINING NETWORK



 Our Presence

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a leading training network of  
**India**

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