

Calendars - defining hourly & daily calendar, weekly, monthly, Activities - definition, sequencing & estimating duration, Effectively using the four types of PDM Relationship, Scheduling the project, Monitoring & project controlling, Defining constraints & overcoming conflicts, Defining & assigning activity codes, Defining & assigning WBS Codes, organizing the activities by using activity codes & WBS Codes, Reorganizing activities, Defining project codes, Preparing resource information, applying resource to each activity, Estimating the cost of the project, how to analyse the resource by using resource profile & resource table, resource leveling & resource smoothing using crashing, stretching & splitting, Scheduling multiple projects & preparing a master project, Updating the project progress & comparing the actual progress with the baseline, Earned value management, Preparing different types of reports, How to prepare curves, Highlighting the progress in the bar chart, Project, Interview Preparation.

Create an external table, Edit existing dimensions, Modify an external table, Colors for displayed boundary conditions, nodes, rigid links, gravity, Scale for displayed nodes, loads, and constraints, Sketch environment, Dynamic Input, Sketch blocks, Sketch constraints, 2D AutoCAD data in sketches, Project a sketch profile around an axis, Project, Interview Preparation.

Introduction to Process Plants, Pipe Designators – NPS, Pipe Wall Thickness & Schedule, Pipe Weights, Introduction to ASME Pressure Piping Design Codes, ASME Standards for Common, Symbols & Dimensioning, Types of Fittings – Butt Weld, Screwed & Socket Weld, Elbows, Reducing Ell, Pipe Bends – Miter Bends, 180 degree Return, Branch Connections – Weld Straight & Reducing Tee, Cross & Lateral, Project, Interview Preparation.



PDMS

ThinkNEXT Cloud Campus Advantages

- Each Student will have Unique User ID and Password to Login to ThinkNEXT Cloud Campus 4.0 anytime...anywhere...
- View Numerous Job Postings, Technical, Personality Development Videos anytime...anywhere...
- Students will be able to download e-Books, e-Journals, Class Notes and other study material.
- Student Profile, Instant Technical Updates, Class Notes, Project, Report Submitted, Attendance, Performance, Notice-Board, Class Timings etc. everything online.
- Communication with industry experts, Technologists through Cloud Campus anytime...anywhere...
- Access through PCs, Laptops, Tablet PCs, Mobiles via internet.

and many more...

**Part-Time/Full-Time job
offer for Each Student**

ThinkNEXT Technologies Private Limited

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The making of a Student into Professional...

ThinkNEXT Technologies Pvt. Ltd. is an ISO 9001:2008 Certified Software/Electronics/CAD systems development company and approved from Ministry of Corporate Affairs which deals in CAD Solutions, CNC Consultancy, Smart Campus ERP Solutions (University/College/School), University (PTU) Conferences (www.ptuconferences.ac.in), University Journals (www.ptujournals.ac.in), Android/iPhone Apps development, Web designing, Web development, TechSmart Classes, ThinkNEXT Discount Card (www.thinknextcard.com), GPS based Vehicle Tracking, Bulk SMS, Voice SMS, Biometric Time Attendance, Embedded Systems and Automation Products, Security Systems etc. by using latest technologies e.g. Smart Card, NFC, Biometrics, Barcode, RFID, SMS, Auto SMS (Shortcode), Android, iPhone, Web, Windows and Mobile based technologies.

ThinkNEXT Technologies has developed for the first time in northern region a cloud computing based **ThinkNEXT Cloud Campus 4.0** to facilitate knowledge and placement centric services. It is a unique concept for effective and collaborative learning. ThinkNEXT Cloud Campus is a step towards not only 100% placements, but also better job offers even after placements.

The ThinkNEXT Edge

- Industrial Training and Certificates from ISO 9001:2008 Certified Company not just from an institute
- Free IELTS, Spoken English, Personality Development and Interview Preparation classes.
- Opportunity to get placed in ThinkNEXT and numerous other companies.
- Life-Time Validity Learning and Placement Card.
- ThinkNEXT Cloud Campus advantage not only during training, even after completion of training for life time.
- Experience Certificate by ThinkNEXT Technologies.
- Numerous Tie-ups with Mechanical/Civil/Electrical/Architecture etc. companies for industrial exposure and placements.
- Part-Time/Full-Time Job offer for each student during training.
- One-to-one PC and Corporate Environment.
- Learn from Industry experts rather than Trainers/Teachers.
- Direct interaction with Industry Experts.
- Industrial training programmes are designed to make students industry- ready.
- Large Display LEDs in each Class-Room/Lab, Wi-Fi Labs.
- Guest Lectures/Seminars by Industry Experts.
- 100% Placement assistance and Guaranteed Job Interviews.

 AutoCAD (Mechanical/EE)	<p>Basics of CAD, Creating Orthographic drawings, Creating Isometric & Perspective drawings, Modifying AutoCAD drawing, Creating & editing hatching utilities /text, Enquire information-List, ID, Distance, Area, Dimensioning, Creating & editing blocks, Design centre, Xref, Script files, Plotting.</p> <p>AutoCAD 3D: 3D Modeling Concepts in Autocad, Viewpoint & UCS, Wireframe Modeling & Editing, Solid, Mesh, Surface (Modeling & Editing), Materials, Lights & Rendering, Working with Images, Import & Export, Project, Interview Preparation.</p>	 <p>Introduction to Engineering Design, Different types of Numerical Methods & Applications, Practical Applications of FEA, Basics of finite element method (FEM), Analytical Method to solve any Mechanics Problems, FEM Procedure to solve above Mechanics Problem, Theories of Failure, Basic linear & Torsional Equation, Getting Started with ANSYS, CAD Modeling using ANSYS, Introduction to Meshing, Types of elements & FEA Design intent, Meshing Techniques, Assigning materials properties, Working with different boundary conditions, Performing Different Analysis & viewing Results, 1D element example problems, 2D Plans Stress/Strain example problem, 3D Analysis, Coupled Field Analysis, Project, Interview Preparation.</p>
	<p>Sketcher basics, 3D sketching, Part modeling, Creating reference geometries, Editing features, Advanced modeling tools, Configuration, Design table/library features, Import/export of files, surface Overview, Bottom-up assembly, Top-down assembly, Exploding assemblies, Simulation/ Detailing, BOM, balloon tools, Sheet metal, PDM Works, Weldment, GD&T, Explode Views, Project, Interview Preparation.</p>	
	<p>CATIA user interface, Creating & editing sketches, Creating sketch based features, transformation features, dress up features, advanced replication tools, Editing parts in assembly, Creating surface features, Generative sheet metal design, Drawing view generation, Finalizing the drawing & Printing, Dress up on 2D Views, Real time rendering, GD&T, Plotting, Project, Interview Preparation.</p>	 <p>AutoCAD (Civil/Arch.)</p> <p>CAD Basics, Annotations & Dimensions, Layers, Drawing Settings, Orthographic Drawings, Isometric Drawings, Perspective Drawings, Editing the Drawings, Selection Methods, Presenting the Project, Working with a Team, Layout Management, Scale setting, Plotting, Import & Export.</p> <p>AutoCAD 3D: 3D Modeling Concepts in AutoCAD, 3D Co-ordinates Systems, Viewpoint & UCS, Wireframe Modeling & Editing, Solid, Mesh, Surface (Modeling & Editing), Materials, Lights & Rendering, Working with Images, Import & Export, Project, Interview Preparation.</p>
	<p>PTC Creo Concepts, Using the Creo interface, Creating sketcher geometry, Creating Extrude, Revolve & Ribs, Selecting & Editing, Creating datum features, Utilizing internal sketches & embedded datums, Creating sweeps & blends, Creating holes & shells, Creating rounds, chamfers & drafts, Variable section sweeps, Helical sweeps & swept blends, Creating patterns, Group, copy, mirror tools, Measuring & inspecting models, Advanced reference management, Relations & parameters, Layers, family tables & UDF, Assembling with constraints, Exploding assemblies, Creating surface features, Editing surface features in Creo, Creating drawing views, Creating drawing details, Using advanced assembly constraints, Creating & using component interfaces & flexible components, Using assembly features & shrink wrap, Replacing components in an assembly, Understanding simplified reps, Creating cross-section, Substituting components by rep, envelope & model, Creating & using assembly structures & skeletons, Introduction to sheet metal design, Primary, secondary & unattached walls, Unbend, bend back & cuts, Notches & punches, Sheet metal forms, Bending & unbending sheet metal geometry, Converting solid parts, Real time rendering, GD&T, Project, Interview preparation.</p>	 <p>Introduction to Structural Engineering, Introduction to STAAD.Pro, Model generations, Assigning Loads, Automatic Load generations (Slab, Wind & Moving), Column & beam design, RC Designer, Seismic Analysis & Design, Dynamic Analysis, Introduction to FEM/FEA, Water Tank Design, Slab Design, Staircase Design, Shear wall Design, Bridge Deck design using STAAD.Beava, Steel Design, Transmission Line Tower Design, Pushover Analysis, Foundation Designs (Isolate Footing, Combined Footing, Mat Foundation, Pile Cap Design, Report generation, Project, Interview Preparation.</p>
	<p>Understanding Of CNC Machining Programming and Applications, Introduction to the Working Of CNC Control Panel, Machine Settings / Workpiece Holding / Tool Holding, Tool Offset / Work Offset, Changing Offset Parameters on CNC Control Panel, Basics of CNC Programming : Milling/Turning, G And M Codes, Basic Machining cycles, Advanced Machining Cycles, SolidCAM/DelCam/MasterCam, Canned Cycles, Mirroring Commands, Practical on Machine, Project, Interview Preparation.</p>	 <p>Revit</p> <p>Introduction to BIM & Revit Architecture, Place & Modify Walls & Complex Walls, Add & Modify wall Profiles, Place Doors, Windows & Components, Dimensions & Constraints, Create Floors & Ceilings, Curtain Walls & Stairs, Conceptual Models, Annotation & Schedules, Structural Elements, Sheets & Title Blocks, Views, Camera , Walk through, Render & Solar Study, In-Place Families, Family Creation, Site Design, Link Projects & Collaboration, Design Phase, Realistic Presentations, Import & Export, Project, Interview Preparation.</p>
	<p>User interface, Sketcher essentials, Constraining sketches, Datums, Creating part features, Editing parts, Creating fundamental curves, Editing curves, Editing freeform features, Basic assembly concepts, Creating assemblies, Positioning assembly components, Assembly revisions and component replacements, Assembly sequencing, Assemblies - clearance and analysis, Deformable components, Part families, Project, Interview Preparation.</p>	 <p>3DS MAX</p> <p>Introduction to 3ds Max, Modeling using basic primitives, Spline Modeling, Transforming Objects, Customizing Working units, Arranging Objects using utility tools, Modeling using parametric modifiers, Editing Poly Models, Landscaping & modeling using compound objects, Cameras, Lights, Textures, Particle systems, Importing other formats, Basics of Animation, Walk through, Advanced Rendering, Projects, Interview Preparation.</p>
		<p>For detailed syllabus & other information:</p> <p>Web: www.thinknexttraining.com www.thinknext.co.in</p>