

FUTURE GEN TECHNOLOGIES

NX CAD

Chapter 1: Essentials for NX Designers

- Overview:
- Opening and working with parts
- NX Interface:
- Coordinate Systems:
- Creating parts with sketches:
- Creating part features:
- Geometry Editing
- Creating datum geometry to support design intent
- Examining the structure of a model
- Editing and manipulating the sketches
- Trimming a solid body
- Creating swept features with offset and draft
- Creating and editing holes
- Creating and manipulating shell features
- Copying and mirroring part segments
- Blending and chamfering edges
- Modifying geometry of imported parts
- Loading and working with assemblies
- Adding and positioning parts in an assembly

Chapter 2: NX Synchronous Modeling Fundamentals

- Basic concepts of Synchronous Modeling
- Modify Face
- Detail Feature
- Delete Face
- Reuse commands
- Synchronous Modeling relationships
- Dimension commands
- Adaptive Shell
- Edit Cross Section and Edit Section
- Optimize Face
- Projects: Create and edit parts using Synchronous Modeling

Chapter 3: NX Sheet Metal

- Sheet Metal workflow
- Establish basic part characteristics
- Define the basic shape of the part

- Constructing base features
- Sheet Metal corners
- Sheet Metal cutouts
- Sheet Metal deform features
- Flat Solid and Flat Pattern
- Advanced Sheet Metal commands
- Analyze Formability – One step
- Aerospace Sheet Metal
- Working with non-sheet metal data

Chapter 4: Drafting Essentials

- Drafting overview
- Part Navigator
- Master model drawings and drafting standards
- Drawing sheets
- Drafting views
- Custom views
- Move, copy, and align views
- Hiding geometry in drafting views
- Updating drawings and drafting views
- Centerline symbols
- Dimensions
- Notes and labels
- Balloon symbols
- GD&T symbols
- Surface finish, weld, and custom symbols
- Section views
- Editing section lines
- Maintaining associativity
- Detail views
- View boundaries
- Broken views
- Break-out section views
- View dependent edits
- Part Attributes
- Parts lists
- Sectioning assembly views
- Exploded views
- Ordinate dimensions
- Hole Tables
- Converting drawings to master model

- **Future gen training & course syllabus can make the student to challenge on the success of international interviews.**

ABOUT US

- **Future Gen Technologies Training center is an engineering training institute providing trainings on job oriented professional courses for . Our training programs cover Civil Engineering, Mechanical Engineering, Electrical Engineering & IT Engineering.**
- **The Aim of the Future Gen is to develop quality engineers by providing the real time practical knowledge.**
- **Future Gen Training center has a team of highly experienced & qualified teaching staff. Many of them are experienced with real time projects. Our courses training mainly focus on instructors past experience and practical examples. This will help the trainees to have a better understanding of the concept.**
- **Future gen technologies also comprise a placement cell and enjoy placement tie ups with many companies. Student gets the placement benefits after the completion of the course. Many of our students have been successfully placed with some reputed companies in India & other countries.**

WHY FUTURE GEN ?

- **Future Gen provides the real time training on 100% job oriented courses on international projects & make every student to work on individual project in the training period.**
- **Knowledge of Students who trained under Future Gen will be as good as experienced professionals.**

- **Future gen provides digital training by In-depth demonstration on every aspect of course topics.**

- **Future Gen provides the complete support after completion of your course**

- **We provide excellent quality of infrastructure to our students**

- **Future gen provides the special training classes on personality development and interview skills after completion of course with 100% placement assistance.**

- **Highly qualified faculty with industry experience**

- **Training will be provided based on 20% theory and 80% practical concept**

- **Get fee Refund if not satisfied**

WWW.FUTUREGENTECHNOLOGIES.COM

Thank & Regards,

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AMEERPET,KPHB HYDERABAD