Advanced Sheet Metal Design

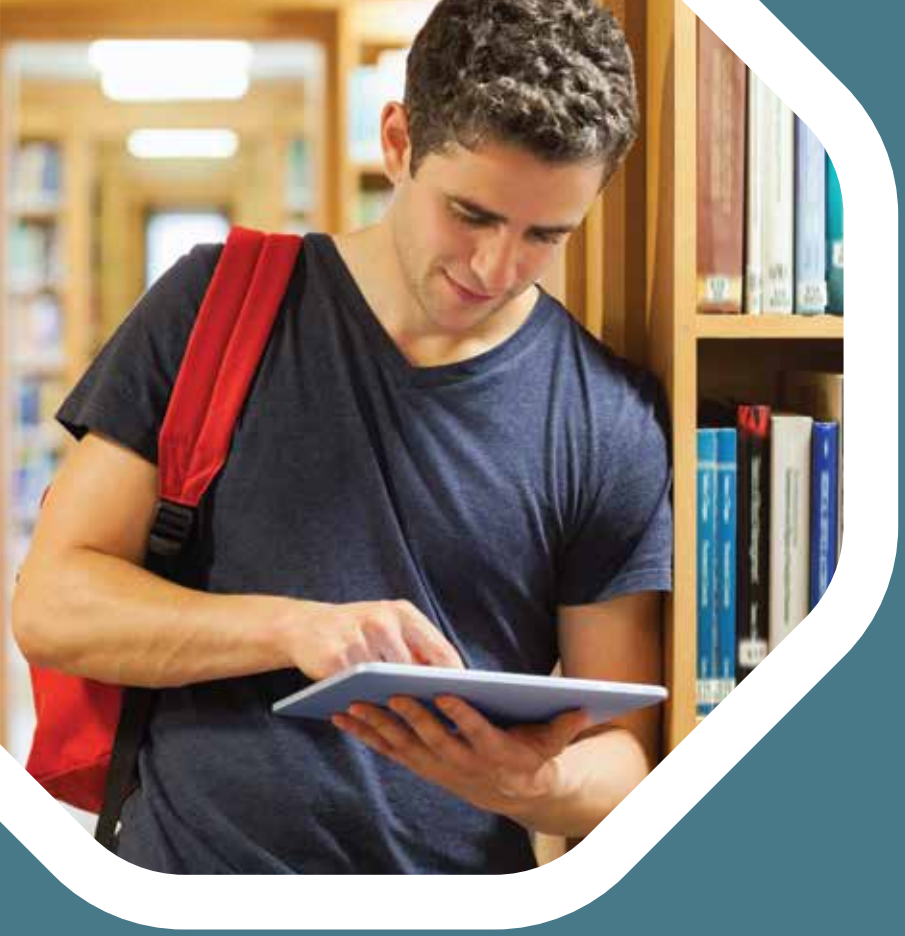
SKILLLYNC

Who are we?

Skill-Lync is an engineering e-learning platform based in Chennai. The brainchild of two engineers, we are at the forefront of re-shaping engineering education in India. In the winter of 2019, we became the first start-up from Chennai to be funded by Y-Combinator.

Today, close to 8000+ students from over 58 countries study at Skill-Lync. Over three years we have helped 280 engineers achieve their dream careers.

58+	8000+	300+	30000+
Countries	Students	Placements	Projects



About the program

Sheet Metal application provides an environment for the design of sheet metal parts used in machinery, enclosures, brackets, and other parts normally manufactured with a brake press. Siemens NX CAD sheet metal design software incorporates material and process information in sheet metal-specific modelling features: bends, flanges, tabs, cutouts, beads, dimples, louvres, corner and edge treatments, patterns, and other formable features. You can also quickly convert solid models to sheet metal components, and create sheet metal parts that enclose other components. More than 85% of sheet metal industries use NX CAD as a design tool.

In this course, you will learn the sheet metal module of NX CAD [UG NX] software. At the end of this course, you will be able to implement sheet metal design constraints. You will also be able to easily create real-time industry models of sheet metals.

Reasons to select this course

- Designed by Skill-Lync with inputs from academicians and industry experts to ensure that students are trained in the skills expected in the industry.
- This course is specifically designed for design engineers who are interested in the product concept generation phase.
- After the completion of this course, you will understand the basics of Advanced Sheet Metal Design.
- Completing a Skill-Lync's course on Advanced Sheet Metal Design is among the few tools in your resume that can instantly boost your chances of getting employed.

Modules

Introduction to NX CAD Interface

In this module, you will learn how to create the sketches in NX CAD

- Creation of lines, circles and squares
- Specifying the dimensions
- Pattern creation

Introduction to Sheet Metal Modelling Interface

- Understanding Tabs and Flanges
- Contour flange
- Advanced flange
- Jog flange
- Hem flange
- Corners, closed corners, & overlapping corners in sheet metals

Conversion Wizards for Solid to Sheet Metals

In this module, you will get a thorough understanding of:

- Edge rip
- Convert utility
- Cleanup utility
- Reliefs
- Face optimization
- Forming sheet metal from solid

Stiffening Features in Sheet Metals

In this module, you will gain experience in:

- Beads creation
- Dimple creation
- Emboss creation
- Mirror features
- Feature patterns

Creation of Flattening and Forming

In this module, you will get an understanding of

- Neutral file data
- Surface extraction
- Adjacent and tangent face selections
- Flattening & Thickening

Industry-Specific Projects

Sheet Metal Casing Modelling

In this project, students will learn the basic features of the Sheet metal design domain. Students will understand the usage of tabs, flanges and bends.

Sheet Metal Box Modelling

In this project, the student will create application-oriented features such as beads, hinge creations, hem flange creations.

Sheet Metal Switchboard Modelling

In this project, students will learn the applications of louvers in the creation of ventilation for electric casings. Students will also understand the importance of dimple creations in sheet metals in this project.

Sheet Metal Enclosure Modelling

Here you will learn how to create sheet metal enclosures for unconventional parts.

Automotive Sheet Metal Bracket Modelling

In this project, students will develop the skills required for modelling 3D models by using 2D inputs. Students will also understand the applications of stiffening features in sheet metals.

Should you take this course?

- Students in Mechanical, Aerospace or Automotive engineering
- Best suited for students, freshers and professionals looking to gain practical experience in sheet metal design

Software Covered

SIEMENS NX

Siemens NX software is a flexible and powerful integrated solution that helps you deliver better products faster and more efficiently. NX delivers the next generation of design, simulation and manufacturing solutions that enable companies to realize the value of the digital twin.

Basic

2 Months Access

₹7000

Enroll Now

Per month for 3 months

- Access Duration : 2 months
- Mode of Delivery : Online
- Project Portfolio : Available
- Certification : Available
- Email Support : Available
- Whatsapp Support : Available

Pro

4 Months Access

₹10000

Enroll Now

Per month for 3 months

- Access Duration : 2 months
- Mode of Delivery : Online
- Project Portfolio : Available
- Certification : Available
- Indivdual Video Support : 4 month
- Group Video Support : Available
- Email Support : Available
- Whatsapp Support : Available
- Telephone Support : Available
- Add-ons Induatry Projects : 1

Premium

Lifetime Access

₹15000

Enroll Now

Per month for 3 months

- Access Duration : 2 months
- Mode of Delivery : Online
- Project Portfolio : Available
- Certification : Available
- Indivdual Video Support : 12/month
- Group Video Support : 12/month
- Email Support : Available
- Whatsapp Support : Available
- Telephone Support : Available
- Add-ons Induatry Projects : 2
- Dedicated Support Engineer : Available

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