

## **SIEMENS PLM SOFTWARE AUTHORISED TRAINING CENTRE**

AITAM has setup a centre of excellence wherein AITAM is the authorised training partner (ATP) for Siemens PLM tools in training NX CAD, NX CAM and NX NASTRAN in Andhra Pradesh with Jytra Engineering Services being our channel partner.

### **OBJECTIVES**

- **Essentials for NX Designers** as the initial class, is designed to launch students on the path of productivity.
- This course is designed to meet the student's expectation to transfer classroom instruction to productivity on the job.
- Essentials for NX Designers course ignites the student through professional instruction pertaining to product model design, product model detailing, assembly modelling and the basics of the master model concept.

### **WHO SHOULD ATTEND**

This course is intended for all NX users including:

- PG & UG B.Tech Students of II, III and IV years (Mechanical Engg. & Equivalent Branches of AITAM and other surrounding engineering colleges)
- DIPLOMA Students of II & III years (Mechanical Engg. & Equivalent Branches of AITAM Second Shift Diploma and surrounding diploma or technical institutions) )
- Academicians/Mechanical Engineering Faculty of various institutions
- Engineers
- Designers
- Drafters

### **PRE-REQUISITES**

- None

### **COURSE TOPICS**

- User interface
- Holes
- Coordinate systems
- Create expressions
- Introduction to sketching
- Shell
- Datums
- Instance arrays
- Modeling theory – based on extrude, revolve
- Blending and chamfers
- Part structure and edits
- Basic assembly modeling
- Intermediate sketching topics
- Assembly constraints
- Trim body
- Master model concept
- Extrude options, including draft and limits
- Creating and editing drawings and annotation

### **OUTCOMES**

- At the completion of **Essentials for NX Designers** the student will productively develop solid models, detail drawings, and product assemblies.
- The students are provided with an **authorised SIEMENS PLM certificate**, which can be used by them to cater themselves as professional designers/design engineers.
- The class introduces assembly modelling in the context of a real-life scenario that includes parts modelled by the student as well as part models that have already been created. This reinforces the student's understanding of the flexibility of the solid modelling and assembly tool as it can be applied in the real world of product development collaboration.
- As with each course developed and taught by our eminent faculty who are certified trainers of Siemens PLM, the Essentials for NX Designers class capitalizes on Siemens PLM Software's intimate knowledge of the software's development and instructs the students based on the underlying principles incorporated within the NX software.

#### **COURSE DURATION**

- The total duration of the Essentials for NX Designers is 96 hours. *(Assuming 6 hrs/day of lecture and practice a total of 16 days is required to fulfil the course duration)*

#### **COURSE SCHEDULE**

- Various schedules are planned for interested participants throughout the year, with a minimum batch size of 20 members.
- For internal participants the training is planned during the weekend Saturday's.
- For outgoing final year B.Tech students and external participants the training is planned during the summer & semester breaks.

#### **COURSE FEE**

- Course fee is to be borne by the participant which is less than nominal amount compared to the external training institutes.
- Course fee is decided based on the royalty that needs to be paid by AITAM to SIEMENS PLM and our channel partner which varies time to time.

#### **MISCELLEANOUS**

- For registration, the participants are advised to contact **Mr.P.Srihari**, Associate Professor, Mechanical Engineering Department, AITAM @ **9985660927, 9491660927**.
- For further details and additional requirements the participants may contact the management of AITAM.