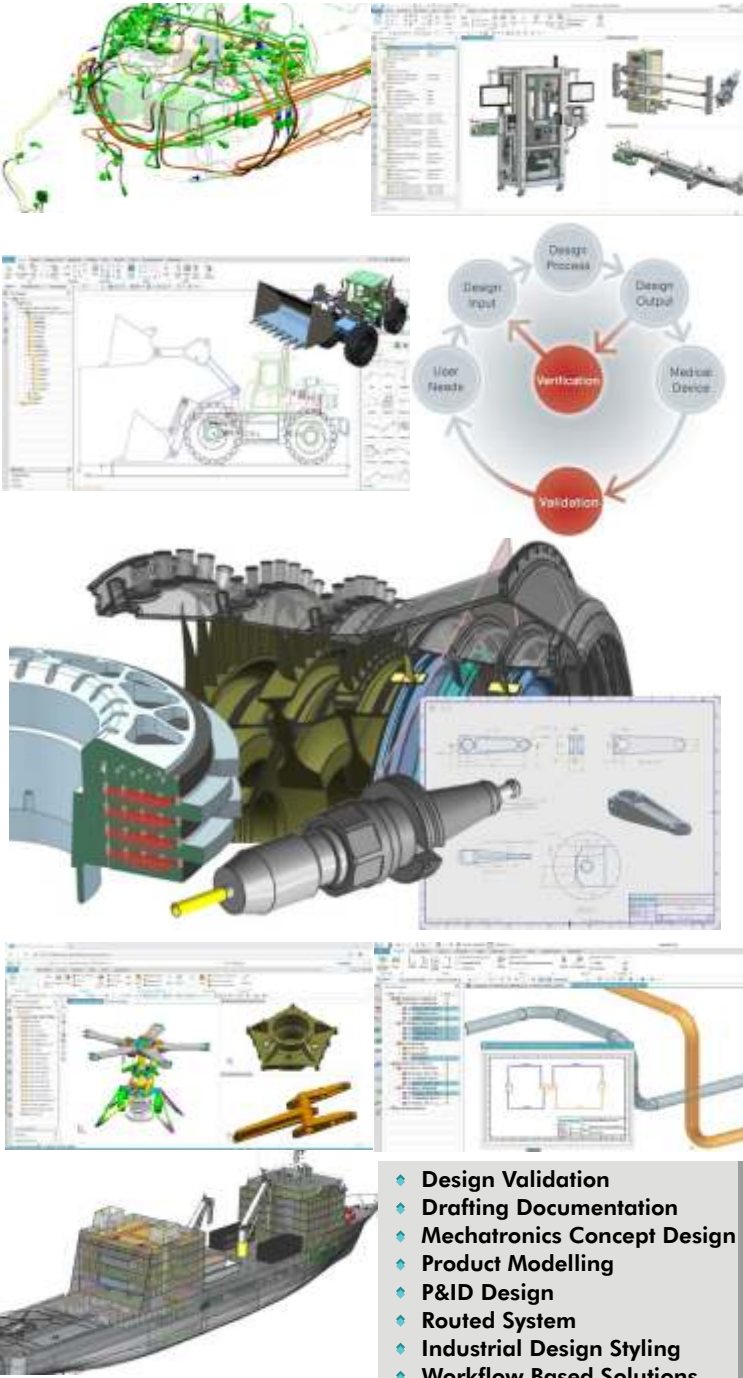


## NX Capabilities



- ◆ Design Validation
- ◆ Drafting Documentation
- ◆ Mechatronics Concept Design
- ◆ Product Modelling
- ◆ P&ID Design
- ◆ Routed System
- ◆ Industrial Design Styling
- ◆ Workflow Based Solutions

## CENTRE ACTIVITIES



The perfect balance  
between theory and practice ...



## CONTACT INFORMATION

### AKGEC-SIEMENS Product Life cycle Management

#### 📍 AKGEC SKILLS FOUNDATION

AKGEC Campus

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TRAINING



Consultancy



Research

## Training on "SIEMENS NX-11(CAD/CAM)"

## AKGEC SKILLS FOUNDATION

AKGEC-Skills is an initiative promoted by AKGEC & NSDC, Ministry of Skill Development & Entrepreneurship. The objective of this initiative is to encourage skill development for youth to increase productivity of the existing workforce and align the training and certification needs of the country's youth. AKGEC SKILLS works to promote training, education and upskilling activities in the fields of Industrial Automation, Robotics and Advance Manufacturing processes. Under this initiative nine state of art centres are operational. These centres have been set up in collaboration with several key Industry Partners including SIEMENS, BOSCH Rexroth, KUKA Robotics, Mitsubishi Electric, Fronius, Schmalz, CARL Zeiss and Pepperl+Fuchs .

### AKGEC-SIEMENS: Product Lifecycle Management

To develop engineering professionals equipped with next-generation technologies, AKGEC jointly with SIEMENS Industry Software has setup PLM Centre of Excellence at AKGEC campus. This COE provides education to the next generation of designers / engineers on state of art software's such as SOLID EDGE, NX-CAD / CAM / CAE for digital product engineering, Team centre for digital life cycle management and Technomatix for digital manufacturing This COE address diverse industry segments like automotive, industrial machinery, Industrial automation, aerospace and shipbuilding etc.

### || About Course

This course is designed to meet the student's expectation to transfer class room instruction to productivity on the job. The Essentials for NX Designers course ignites the student through professional instruction pertaining to product model design, product model detailing, assembly modeling and the basics of the master model concept. This reinforces the student's understanding of the flexibility of the solid modeling and assembly tool as it can be applied in the real world of product development collaboration.

- Application of PLM in different types of industries
- 3D and 2D CAD sketching and modeling.
- Faster design using synchronous technology
- Surfacing of solid models as per industrial standard
- Complex assemblies
- Detail Drafting as per Industrial standard
- Cutting and non cutting Operations
- Capability to create/modify and output verified 3 axis NC programs for milling machines
- Hands on session with printers and their software's

### || Highlights

Implementation	: Theory & Practice
Language	: English
Duration	: 40Hrs/1Week
Prerequisite	: Engineers, B.Tech pursuing Students
Training Location	: AKGEC-PLM
Certification Partner	: SIEMENS

### || Features

- Ensure accuracy of drawings and compliance with standards
- Increase productivity and quality with 3D annotation
- Enhance design with visual reporting of critical information
- Interpret data quickly and accurately
- Improve decision-making
- Automatically monitor designs for compliance with standards and requirements

### || Outcomes

- With synchronous technology, you can directly use models created with other CAD systems.
- Use NX assembly design tools for the most complex assemblies: thousands of parts.
- Easy to create full multi-CAD digital mockups to quickly identify issues and resolve problems.
- With NX CAD breakthrough technologies, efficient interaction and streamlined workflows.

