

**15 days online Industry Oriented  
Training on  
"Unigraphics NX"**

**06<sup>th</sup> to 20<sup>th</sup> February, 2023**

**Contents**

- 1.Introduction to engineering drawing.
- 2.what is cad and fundamentals of cad.
- 3.Introduction to Siemens NX.cad
- 4.Getting started with NX cad
- 5.Coordinate system and Geometry.
- 6.Sketching in NX cad
- 7.Constraining sketch.
- 8.Sweeping geometry.
- 9.Geometric relationships.
- 10.Editing and manipulating sketches.
- 11.Trimming a solid body.
- 12.Creating and editing shell features.
- 13.Creating swept features.
- 14.Creating and editing holes.
- 15.Copying and mirroring part segments.
- 16.Blending and chamfering part segments.
- 17.Loading and working with assembly segments.
- 18.Adding and positioning parts in assembly.
- 19.Top down and bottom up approach.
- 20.Loading and working with drafts.
- 21.working with sheet metal work.
- 22.Real time project works - 2
- 23.Course review.
- 24.Project review.
- 25.Discussion about interview questions regarding SIEMENS NX.

**How to Apply :**

Google form link for registration:  
<https://forms.gle/bACEPR19C6owEjUD8>

**Registration fee :** 500/- per participant

**Last Date for Registration :** 05-02-2023

**Contact Details:**

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**Trainer:**  
EPRO Academy, Rajahmundry.

**AN ISO CERTIFIED ORGANIZATION**

**15 days online Industry Oriented  
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**Organized by:  
Mechanical Engineering Department**

**Under The Institution of Engineers (India)**

**Engineering College Students' Chapter  
(Chapter No. 534101/SVEC/MC)**



**Sri Vasavi Engineering College  
(Autonomous)**

(Accredited by NBA, NAAC with 'A' Grade)

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### **About Sri Vasavi Engineering College:**

The institution is ideally located in a vast expanse of 32 acres of land on the out skirts of Tadepalligudem city at a distance of about 6 Kms from the city centre. The institution offers undergraduate programmes and Post graduate programmes. The departmental buildings are located in close proximity of each other with wide open spaces all around. The playfields and other student and staff amenities are within working distances from the faculty blocks.

In terms of infrastructure and faculty, this institution is outstanding as opined by various Inspection Committees including Expert Committee of All India Council for Technical Education (AICTE), New Delhi. The college is well connected by rail and road transport facilities. The college gets the internet with a dedicated bandwidth of 40 Mbps.

Sri Vasavi Engineering College (SVEC) Tadepalligudem sponsored by Sri Vasavi Educational Society was established in 2001. It has permanent affiliation from JNTUK, Kakinada and Accredited by NBA. The SVEC offers B.Tech degree Courses in EEE, ECE, ECT, CSE, CST, CSE (AI), CSE (AI & ML), ME & CE disciplines along with MBA and M.Tech in ECE, CSE, EEE, Mech & CE Departments. The college is an Institutional Member of ISTE, CSI and has IETE and IEI (I) - ECSC, CSI student chapters.

### **About the Department**

The Department of Mechanical Engineering was established in the year 2010 with an intake of 60 students and enhanced to 120 in 2012. Present strength is 90. Our Department offers educational programs designed to prepare students for professional career by developing a sound base in fundamental engineering sciences. The graduate program in Mechanical Engineering is intended to develop individual initiative, creativity, talent, leadership and the capability to develop, follow and adopt new technologies in the field of Mechanical Engineering. The department strives hard to impart quality education and to keep the

students on the competitive edge of the present-day technology. M.Tech programme with specialization in Thermal Engineering was started in the year 2021.

### **About Institution of Engineers (India) :**

The institution of Engineers (India) [IEI] is a statutory body to promote and advance the engineering and technology, established in 1920 and incorporated by Royal Charter in 1935. It is the largest multi-disciplinary professional body of engineers encompassing 15 (fifteen) engineering disciplines with a membership of more than 820 thousand, and serving the nation of more than 9 decades.

The IEI has its headquarters located in Kolkata with national presence through more than hundred Centres and several Overseas Chapters, Foras and Organ.

Institution of Engineers (India) Bhimavaram Local Centre was established on 18.09.2015. The centre was inaugurated through the golden hands of the then National President of IEI, Dr. L. V. Murali Krishna Reddy, FIE and the letter of Warrant was issued for establishment of the centre by the then Secretary & Director General of IEI, Er. B.Brahma Reddy, FIE.

### **About the rogramme:**

There is an immense need for engineers in industry, who are good in modeling skills. The Unigraphics software is used in industry for modeling as well as for tool path generation for CNC machines. The engineers should have sufficient knowledge in Unigraphics NX package, to make computer models using given drawing.

### **Objectives of the Workshop :**

The main objective of the workshop is to provide a hands-on industry oriented training for the students on Unigraphics NX software to make them industry ready.

### **Outcomes of the Programme :**

- Understand the parametric based approach to model parts using Unigraphics NX (K2)
- Solve real time projects using Unigraphics NX (K3)

### **CHIEF PATRONS**

**Sri G. SATYANARYANA**, President

**Sri Ch.V.V. SUBBA RAO**, Secretary & Correspondent

**Sri Ch. APPA RAO**, Technical Director, SVEC

### **PATRON**

**Dr. Guduru. VNSR. Ratnakara Rao**, Principal, SVEC

**Dr. M.V.Ramesh**, HoD-ME, SVEC

### **COORDINATORS**

**Mr. D.V. N Prabhakar**, Asst. Professor, ME Department

**Mr. M. Veera Nagendra**, Asst. Professor, ME Department

### **ADVISORY COMMITTEE:**

**Dr. Ch. Rambabu**, Dean (SA),SVEC

**Dr. V.S Naresh**, Dean (R&D), SVEC

**Dr. G.Radha Krishnan**, HOD-CE

**Dr. D. Sudha Rani**, HOD-EEE

**Dr. E. Kusuma Kumari**, HOD-ECE

**Dr. D. Jaya Kumari**, HOD-CSE

**Dr. D. Naveen Kumar**, HOD-MBA, SVEC

### **Organizing Committee**

**Sri K S B S V S Sastry**

**Assistant Prof.**

**Sri S. Chandrasekhar**

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**Assistant Prof.**