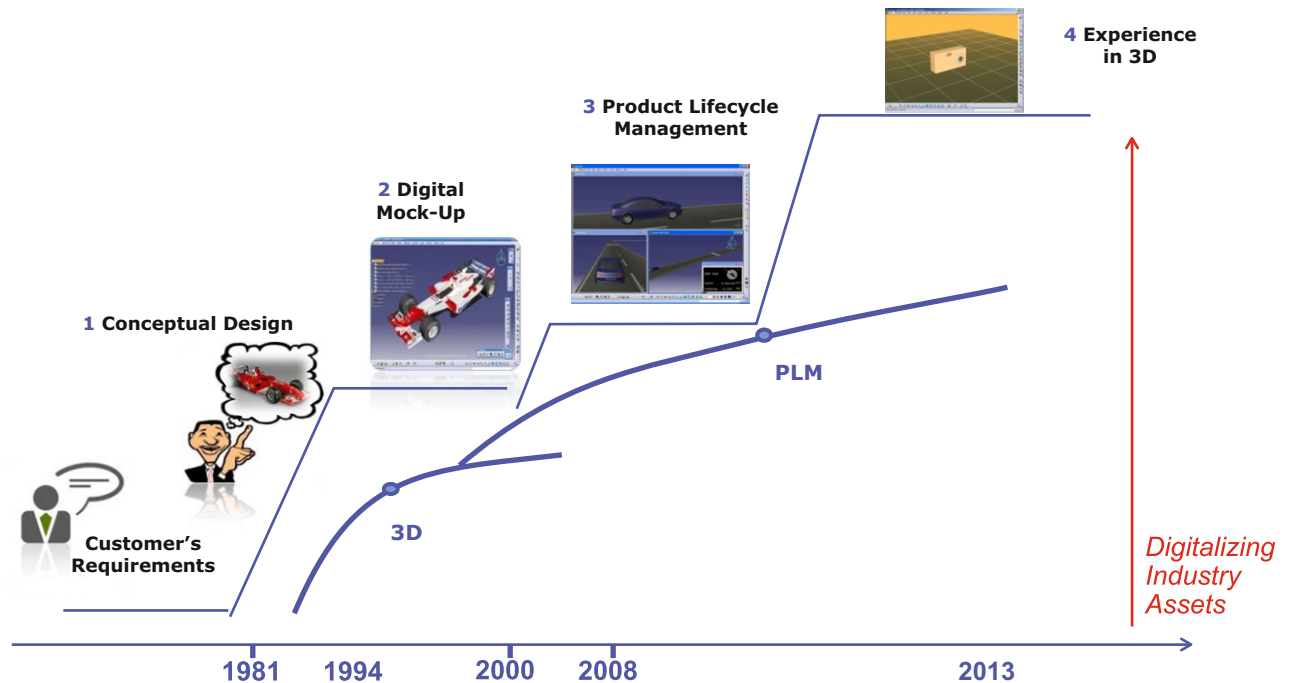


# Engineering Skills for 21<sup>st</sup> Century Students



# Adapting Engineering Education to the PLM Revolution

Outside the campus, technology is moving at a pace unmatched by the conservative means of understanding. Regular classroom teaching despite advantages needs to be bolstered by industry specific training in cutting edge technologies. Real engineering jobs go to those who understand real technology, to those who can integrate fundamental understanding with futuristic vision while being comfortable with current technologies.



India faces a serious skills shortage as the technology industry, engineering services, manufacturing industry and construction agencies have notched unprecedented growth in recent years. Keeping pace with market requirements has become a challenge. Engineers with knowledge of Product Lifecycle Management (PLM), a business strategy that applies collaborative business solutions for the development in key areas of production, construction, maintenance and recycling across extended enterprise are in great demand. PLM certification for engineering students is an asset.

CATIA (Computer Aided Three Dimensional Interactive Application) from Dassault Systemes, AutoCAD, Revit and Inventor from Autodesk Inc are multiplatform software suite. These software suites are used by industry leaders to create best designs in the world. In India most of the OEM's and their suppliers use CATIA & Inventor to design and collaborate seamlessly to enable product innovation and to get products faster to market. Similarly, most of the construction companies in India use Revit for building information modeling(BIM).

*Automotive Body-In-White Fastening*

*ENOVIA V5 VPM- User & Administration*

*ENOVIA Program Central*

*ENOVIA Engineering Central, Library Central*

*Tubing & Piping Design*

*Composite Design*

*3D Tolerancing & Annotation*

*Knowledge Based Engineering*

*Digital Mock-up & Fitting Simulation*

*Electrical Wire Harness*

*CATIA Foundation for Aerospace Designers*

*Aerospace Sheetmetal Design*

*CATIA Automotive fundamentals for Body, Chassis & Powertrain Design*

*Building Information Modeling*

*Construction Documentation*

*Real-Time Photorealistic Visualization*

*Product Design Simulation*

*Design Optimization*

# EDST @ Campus

**EDS Technologies Pvt. Ltd. (EDST)**, established in the year 1995, is the largest PLM and 3D Real Time Visual Simulation solutions provider in India. EDST is privileged that most of its customers are global leaders in their respective fields.

**EDST** is working with colleges and universities across the country through its academic initiative by providing training to students in the latest PLM technology. This initiative offers a wide range of technology education that can be scaled to meet the goals of technical education institutions.

**EDST** promotes the advancement of excellence in all aspects of engineering technology and design while fostering innovative student projects and educational practices. EDST helps engineering and design students aspiring to express their talents and in turn find their dream jobs.



## Enrich your students' learning experience with world-class and customized trainings



Keeping pace with fast-changing technology is a major challenge in today's engineering education. That is why EDS technologies campus solutions come with ready-to-use, full featured curriculum developed by Dassault Systemes & Autodesk.

**EDST** learning center provides training in the most sought after CAD/CAM/CAE/PLM tools **CATIA, ENOVIA, DELMIA, 3DVIA, AutoCAD, Revit & Inventor**. It prepares students and fresh engineers to meet the growing demand for qualified PLM professionals in the manufacturing, construction and engineering services industries. Being the industry leader in PLM, EDST understands the needs of the industry and is uniquely placed to frame training programs that address these needs.

The curriculum comprehensively covers the concepts and advanced features aligned to the manufacturing, construction and engineering service industries. This teaching content is customized and derived from the training done for working professionals in industry and is therefore entirely industry- oriented, not just theory-based knowledge.

EDST enables you to focus on your core job – education – and not on developing materials from scratch or on trying to harness the latest cutting –edge product features.

Based upon key principles from research and theories on adult learning & instructional design, training materials contain various learning components to support different learning styles and maximize retention. It enables a truly blended learning approach, bringing the right education at the right time in the right format.

EDST is the Certified Education Partner to Dassault Systemes and the Authorized Training Centre to Autodesk and the Authorized Competency Center to Altair HyperWorks.



## EDST campus program - How it works

EDST has collaborated with leading engineering colleges in India and established Finishing schools and PLM Centres of excellence, creating a unique opportunity for the students to learn new skill sets in CAD/CAM/CAE platforms. Under EDST campus training program, EDST provides the universities with access to technologies used in industries and certified faculty to ensure that the right skills are imparted to the students. The students are exposed to CAD/CAM/CAE software products installed at campus. The colleges have to provide infrastructure and certified hardwares while EDST shall provide CAD/CAM/CAE softwares at very nominal cost for the training duration. Post training, the student gets opportunity to unleash their talent on these software platforms. This program enables the students to partner with the same of the best talents in India.

Your college can also be part of the EDST campus program. Here is how:

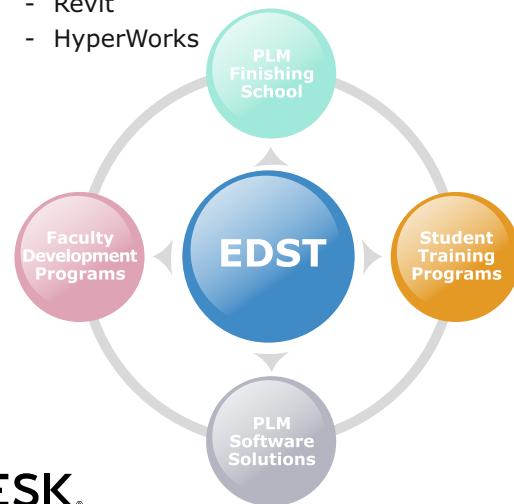
- Provide a minimum of 30 interested students for the CAD/CAM/CAE/PLM course
- Provide a functional lab with atleast 15 computer setup
- One course co-ordinator would be the point of contact
- The training costs which are very nominal can be shared between the college and the students

### Benefits from EDST Campus Program

- Skill enhancement for students
- Increased employability of students
- Learning from certified instructions
- Students get directly trained from authentic and certified company instead of an unauthorized source
- Course completion certificate recognized by industries
- Subsidized academic pricing offered on campus programs
- Sharing of industry case studies / practical experience
- Authorized course material

### EDST Course offerings includes

- CATIA Primer
- CATIA Intermediate
- CATIA Advance
- ENOVIA SMARTEAM User Training
- Auto CAD
- Revit
- HyperWorks



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