



IMPART KNOWLEDGE

Prepare your students

CATIA V5 for Academics..

If you stop and take a look around, CATIA is everywhere. CATIA is in the plane that just flew over, the car that just went by silently, the phone you just answered, and the bottle of water that you just finished ..!

CATIA is the leading software solution used to develop a broad range of products across the world. It is used to design, simulate, analyze, and manufacture products in a variety of industries including aerospace, automotive, consumer goods, and industrial machinery, just to name a few.

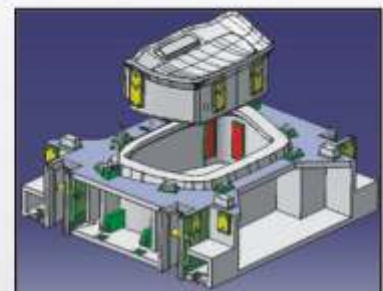
In India more than 80% of Automotive & Aerospace OEMs and their suppliers use CATIA to design and collaborate seamlessly to enable product innovation and get products faster to market.

CATIA is increasingly chosen as the primary 3D design system by many companies across varied industry segments. There is an increase in demand for CATIA design professionals across all industry segments in India. Independent training centers and institutes are unable to meet and deliver skilled professionals required by manufacturing companies in the country.

EDS Technologies, India's largest PLM and Visual Simulation solution provider will help you position your premier institute / college to meet the large scope of employment opportunities while creating a rich and interactive learning experience for both students and professors.

Equip your students with the most versatile design tool that is applied in a multitude of industries.

for the best jobs in engineering



EDS Technologies is an education partner of Dassault Systemes.



Get Started !

To help and prepare your students for their career, we have packaged our PLM and Visual Simulation portfolio ready to be included in your courseware and establish a leading edge CAD curriculum. Our portfolio will enable you to train tomorrow's workforce on the most advance technology available today.

PLM SOLUTIONS PORTFOLIO for Academics

CATIA	-	Virtual Design for Product Excellence
SIMULIA	-	Realistic Simulation for Engineering Quality
ENOVIA SmarTeam	-	Engineering Collaboration
DELMIA	-	Digital Manufacturing and Production
Solid CAST	-	Casting process simulation
Z Corp	-	Color 3D printing



CATIA Portfolio for Academics

5691-ED2 : Education Configuration
5691-DIC : Discover Configuration

- CATIA has been re-packaged for academics (ie. ED2 & DIC).
- These configurations are packed with the complete suite of CATIA V5 domains that include 113 products.

CATIA EDUCATION 2 configuration for Academia (ED2)

- The complete CAD/CAM/CAE platform for the entire university / college or institute.
- Packaged with 113 products under 7 domains.

Categories / Domains (5691-ED2)	No of Products
Mechanical Design	18
Shape Design & Styling	16
Product Synthesis	24
Equipment & Systems Engineering	26
Analysis	6
Machining	13
Infrastructure	10

CATIA DISCOVER CONFIGURATION for Academia (DIC)

- A start up toolkit for your CAD Lab.
- Contains 27 products under 7 domains.
- Cost effective and can be deployed for the entire lab.

Categories / Domains (5691-DIC)	No of Products
Mechanical Design	8
Shape Design & Styling	7
Product Synthesis	2
Equipment & Systems Engineering	1
Analysis	1
Machining	5
Infrastructure	3

Maximize your teaching opportunities with the most complete and scalable PLM system

DELMIA - The PLM approach for Digital Manufacturing

Total Product Lifecycle Management (PLM) is on the leading edge of manufacturing philosophy today. DELMIA, as part of Dassault Systemes, is the industry leader in defining and developing this solution. Sharing this philosophy and these tools is part of our commitment to the development of the engineering knowledge base and attracting young people to the digital community.

To make this approach available to the educational community, EDS Technologies brings in the most complete PLM offering along with DELMIA with attractive pricing and world-class training support. EDS Technologies also brings in value through curricular implementation and industry relationships.

DELMIA EDU - 12
DELMIA Process Engineer
DELMIA Industrial Engineer
DELMIA DPM Body in White
DELMIA IGRIP and ULTRA products
DELMIA Robotics
DELMIA QUEST Advanced
DELMIA Automation



Engineering Collaboration - ENOVIA SmarTeam

PLM is the most innovative field of competency today and it offers a revolutionary solution to designing, analyzing, manufacturing and servicing products, while profoundly transforming industrial processes and businesses. Engineering students want to express their talent and find their dream job.

SmarTeam Educational Configuration helps students to develop PLM skills in order to be prepared for the PLM job market and be able to access the best and largest employment opportunities in the engineering field.

ENOVIA SmarTeam

- Best-in-class CAD integrations for CATIA, SolidWorks, AutoDesk Inventor, Solid Edge and Pro/Engineer.
- Contains 17 modules for Data management, Editor, BOM, Workflow, CAD Integration, Program Management, Supply Chain etc.
- Improves accuracy, data consistency and configuration control for effective and fast reuse of existing data.

ENOVIA SmarTeam Configuration

SmarTeam	- Editor
SmarTeam	- CATIA Integration
SmarTeam	- Foundation
SmarTeam	- CAD Integrators
SmarTeam	- BOM
SmarTeam	- Navigator
SmarTeam	- Workflow
SmarTeam	- Community Workspace
SmarTeam	- Job Server



Finite Element Analysis Portfolio - SIMULIA

SIMULIA FEA suite helps academicians turn their student's skills into engineering jobs of their dreams. It has been adopted by many major corporations across all engineering disciplines as an integral part of their design process. In India, companies like General Motors, Tata Consultancy Services, Robert Bosch, Mahindra & Mahindra, etc expect candidates to be familiar with Abaqus.

The SIMULIA Education Packages include the core products, ideal for students and ready to be included in your courseware. It's the most cost effective tool for introducing students to the benefits of robust FEA. SIMULIA Edition Packages include:

- **Abaqus/Standard:** to solve traditional implicit finite element analyses, such as static, dynamics & thermal.
- **Abaqus/Explicit:** focused on transient dynamics and quasi-static analyses using an explicit approach.
- **Abaqus/CAE:** provides for parametric, feature-based modeling, analysis monitoring, and results evaluation ABAQUS Education Packages.

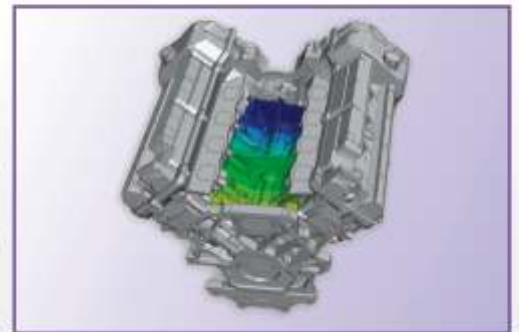
ABAQUS Education Packages

Research Edition: A powerful, unlimited node FEA tool for Professors and PhD students to conduct state of the art research.

Expanded Teaching : Designed for class room instructions, it is the ideal package for introducing the world of FEA to the students. Limited to 1,00,000 nodes.

Teaching Edition : Developed as an entry level FEA package, with a 20,000 node limitation.

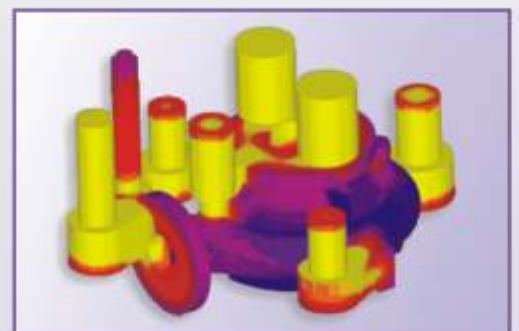
Universities like Harvard, Purdue, calTech, Carnegie Melon, IITs, and NITs are using Abaqus.



Casting process simulation

Over 600 companies and schools worldwide use Casting Simulation Solutions from Finite Solutions Inc (SOLIDCast, FLOWCast, OPTICast). These tools helps foundries and metallurgy departments to design, visualize, simulate and optimize the entire casting process before making molds and pattern equipments.

- SOLIDcast helps to visualize how the casting will solidify before making pattern equipments and dies.
- FLOWCast will predict and minimize flow-related defects such as misruns due to premature solidification, or oxide formation or mold erosion due to excessive velocities during filling.
- OPTICast runs simulation of the casting process, automatically varying the design until the optimum configuration is reached.



Bring the class room to life with 3D Printing

3D printing is revolutionizing the way engineering colleges and universities are teaching their students.

3D printers provide students a real world learning experience, simulating the actual processes designers go through in the workplace. Whether a student's goal is to continue their education or enter the job market, 3D printing technology in the classroom gives students a strong competitive advantage and inspires them to excel in a variety of disciplines, from engineering to the fine arts.

Z Corporation printers, with their low-cost, high-speed operation, give students the opportunity to experience the design process from idea to finished product, putting finished models in the hands of students. Z Corporation printers ensure that every student in the Classroom has access to this valuable learning technology.

Z Corporation in education:

- **Mechanical Engineering:** Create appearance prototypes directly from digital data to evaluate designs in 3D.
- **Architecture:** Quick, inexpensive, and accurate models make it possible to print multiple pieces during the course of a project, and use the models not only to present, but also as part of the creative process.
- **Industrial Design:** Produce models of any complexity, closely matching production models.
- **Fine Arts:** Create physical output of projects.
- **Medical:** Accurately represent medical concepts in full-color 3D.

EDS Technologies has a strategic partnership with Z Corp in bringing this technology to the Indian Education sector to give your students and advancement in their career and job performance.



Modeling and Simulation for Academics

The fast-paced demands of the modeling and simulation community require academic organizations to stay one step ahead of the industry. EDS Technologies in partnership with PRESAGIS-world leader in Visual Simulation solutions provides an ideal framework for rapidly configuring, creating, and deploying advanced simulation applications to ultimately foster innovation at the academic level. By participating with universities and research institutions across the country, we prepare the next generation to meet the demands of our increasingly integrated global reality while providing highly realistic simulated training environments for students.

Course concepts of Visual Simulation:

- **Creation-** Develop highly detailed and immersive content for simulation applications.
- **Simulation-** Reliable and accurate software to simulate real-world scenarios.
- **Visualization-** Bring realistic visual experience to simulation applications.
- **Human Machine Interface-** Rapidly develops dynamic interactive real-time graphical displays.



Screenshot of 3D scenario rendered using Vega Prime



Flight models created using Creator

For more information please write to us at marketing@edstechnologies.com

Bangalore:

153, Second Cross, Promenade Road,
Frazer Town, Bangalore - 5.
Tel: (080) 25514338

Chennai:

190-A, 4th Floor, Pettukola Tower,
Poonamallee High Road, Chennai - 10.
Tel: (044) 26401203/26401204

Coimbatore:

TIFAC Core Building,
PSG College of Technology,
Peelamedu, Coimbatore - 4.
Tel: (0422) 4344372

Pune:

1201 C/A, 2nd Floor, Above Bank of India,
Fergusson College Road, Pune - 4.
Tel: (020) 25539871/25539872

Hyderabad:

Unit No.9, 5th Floor, Topaz Building, Punjagutta,
Hyderabad - 82.
Tel: (040) 39106034/39106035

Gurgaon:

404, 4th Floor, Greenwood Plaza,
Greenwood City, Sec-45, Gurgaon - 2.
Tel: (0124) 4114386/4114387