



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF MECHANICAL ENGINEERING

DASSAULT SYSTEMS LAB

Lab Introduction:

Dassault Systems and Andhra Pradesh State Skill Development Corporation (APSSDC) have signed a Memorandum of Understanding to set up a 3D EXPERIENCE centre to make students industry ready in the field of Aerospace, Defence, Automotive, and Shipbuilding on the 3D-EXPERIENCE platform with built-in industry solution experiences

The 3DEXPERIENCE easy-to-use interface, it powers Industry Solution Experiences-based on 3D design, analysis, simulation, and intelligence software in a collaborative, interactive environment. It is available on premise and on cloud.

CATIA powered by 3DEXPERIENCE platform, enables you to model 3-D part bodies, Assemblies, surfaces, shape designs and drafting of 3-D models.

DELMIA, powered by the 3DEXPERIENCE platform, helps global businesses re-imagine their engineering, operations, and planning for manufacturing excellence. DELMIA's portfolio of enables you to transform operations. With DELMIA you can design and test in a simulated production environment.

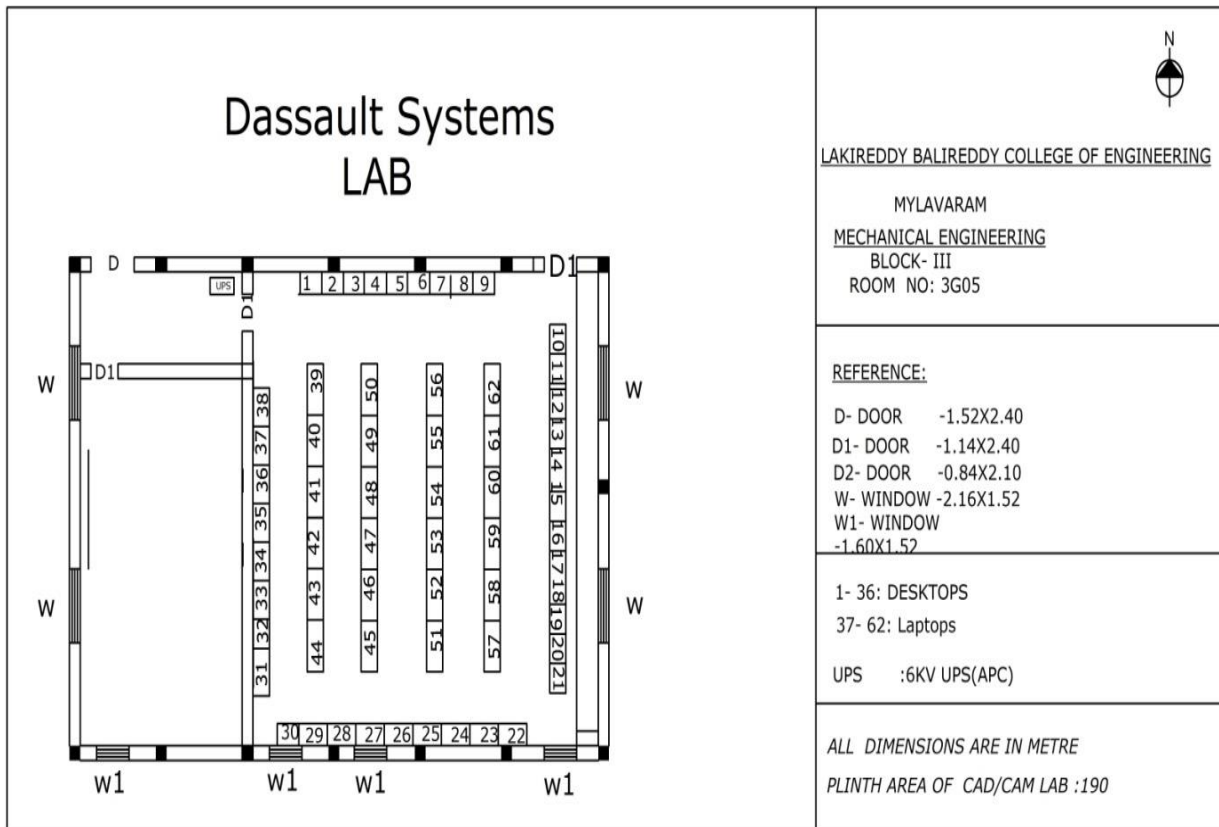
ENOVIA powered by the 3DEXPERIENCE platform, enables you to plan your definition of success. With a broad portfolio of technical and business application, ENOVIA enables stakeholders across the enterprise to contribute to sustainable innovation.

SIMULIA applications accelerate the process of evaluating the performance, reliability and safety of materials and products before committing to physical properties.

The primary deliverables of the Dassault Systems Laboratory

- To train the students with advanced training modules meeting Industry Standards.
- Specialized project oriented training module
- Industry specific training programs
- Placements and internship support for the students who have undergone the training.

Lab Layout:



Equipment details in DS Laboratory:

S.No	Name of the Equipments	Quantity	Cost
1	Desktops: Lenovo M710T Processor: i5, RAM: 16 GB DDR4, Hard Disc: 1 TB Monitor: 19.5 inch Led Full HD, Graphic Card: 4GB	36	20,80,800
2	(Server) Desktop Lenovo M710T Processor: i5, RAM: 64 GB DDR4, Hard Disc: 1 TB Monitor: 19.5 inch Led Full HD, Graphic Card: 4GB	01	1,01,900
3	UPS Numeric 10KVA Online UPS with DC power pack	01	1,65,000/-

4	Laptops HP ZBOOK 15U G4 Processor: i5-7200u RAM: 16 GB DDR4 Hard Disc: 1 TB Monitor: 15.6 inch Led Full HD Antiglare Graphic Card: 2GB	36	Supplied by AP Skill Development
Total Cost			Rs. 23,47,700 /-

DS LAB:



Fig.1 Dassault Systems LAB

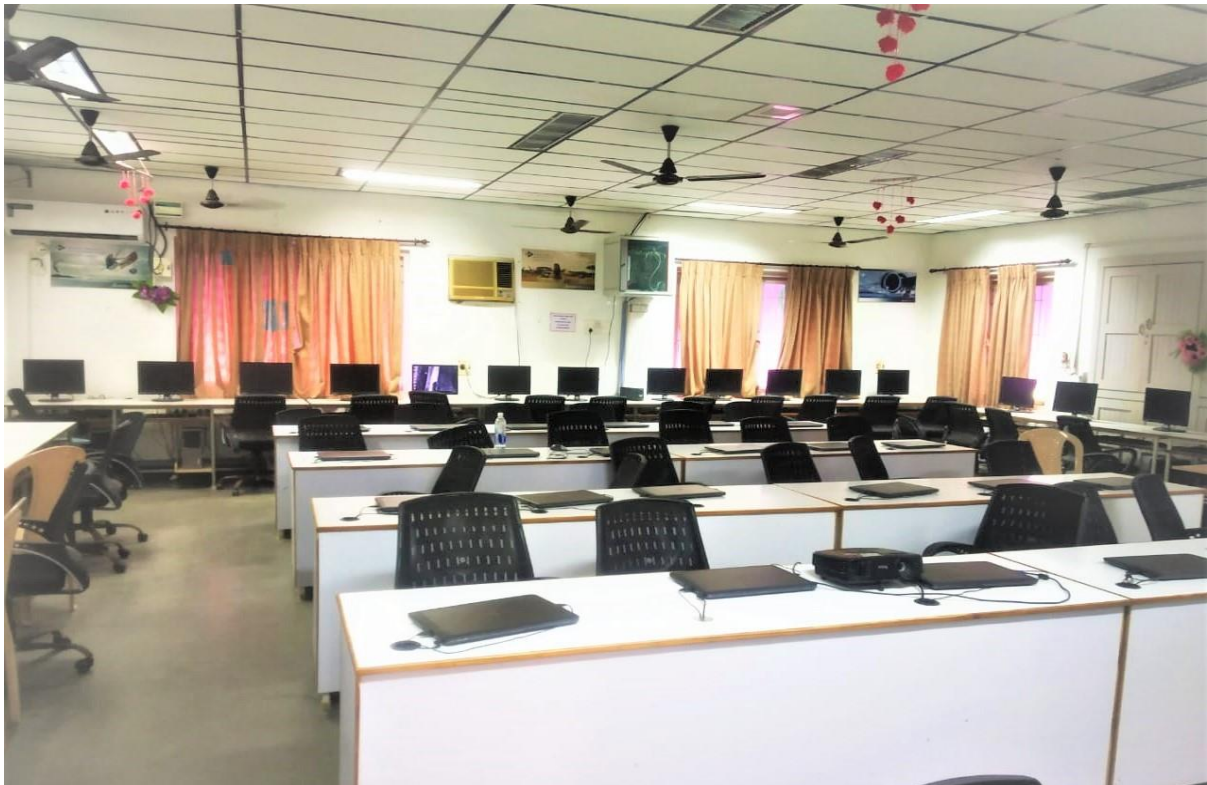


Fig.2 Dassault Systems Lab overview

Training programmes modules

Group A: CATIA, DELMIA, SIMUIA: 150 hrs

Group B: Domain oriented (Automotive/Aerospace/Ship Building): 150 hrs

Group C: Core training on specific chosen domain (plastics, sheet metal, systems engineering, etc.): 150 hrs

Group D: Project Based Learning (student will work on projects on chosen domain given by Dassault)

Laboratory Utilization:

S. No	Laboratory Name	Branch(s)
1	Dassault Systems Lab	B.Tech III Semester A, B & C (ME)
2	Dassault Systems Lab	B.Tech IV Semester A, B & C (ME)
3	Dassault Systems Lab	B.Tech V Semester A, B & C (ME)
4	Dassault Systems Lab	B.Tech VI Semester A, B & C (ASE)
5	Dassault Systems Lab	B.Tech VII Semester A, B & C (ASE)

Lab In-charge:

Faculty in-charge: A. Dhanunjay Kumar

Sr.Technician: P.Guna Sunadara Reddy