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SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)

Dindigul – Palani Highway, Dindigul – 624 002

DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Courses Summary 2022-2023

Course Name Course Duration Year offered Course Instructors

Course Outcome

Course Type

Assessment Mode

Attendance Number of Participants Scheme of Exam CATIA 60 hours

IV year Mechanical Students

CADD Technologies School of Design Private Limited,

Coimbatore

1. The Students should gain proficiency in creating 3D models using CATIA. This includes understanding how to sketch, extrude, revolve, and manipulate various features to create complex geometries.

2. Students should be able to create and manage assemblies in CATIA, understanding how to assemble individual parts, apply constraints, and simulate motion if necessary.

3. Students should be capable of creating detailed drawings and documentation for their designs. This includes creating 2D views, dimensioning, and adding annotations.

Self Framed

60 hours

54

Evaluation test in Modeling

Course Coordinator



HoD/Mech.Engg

Dr.D.SENTHIL KUMARAN, M.E., P. 1608 Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundu (F6)

Palani Road, Dindigul 624 002





SSM INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to Anna University Chennai, Accredited by NAAC)
(Accredited by NBA - EEE, ECE and MECH UG Programs)
Dindigul - Palani Highway, Dindigul-624 002.

DEPARTMENT OF MECHANICAL ENGINEERING

CATIA Software Technology Training Course

Introduction

The Department of Mechanical Engineering, in collaboration with CADD Technologies, Coimbatore, conducted a comprehensive CATIA software technology training course for third-year mechanical engineering students from February 21, 2023, to March 4, 2023. This intensive two-week program aimed to equip students with the necessary skills and knowledge to effectively utilize CATIA, a leading computer-aided design (CAD) software, in their future endeavors.

Course Objectives

The primary objectives of the CATIA software technology training course were to:

- Introduce students to the basic concepts and functionalities of CATIA software.
- Equip students with hands-on experience in creating 3D models, assemblies, and drawings using CATIA.
- Enhance students' understanding of design principles and their application in CATIA.
- Prepare students for real-world engineering applications involving CATIA software.

Course Structure

The CATIA software technology training course was structured to provide a thorough understanding of the software's capabilities and applications. The course curriculum covered a wide range of topics, including:

- Introduction to CATIA and its user interface
- Creating 2D sketches and 3D models
- Working with assemblies and subassemblies
- Generating detailed engineering drawings
- Advanced surfacing techniques and design visualization
- CATIA applications in various engineering domains

Course Delivery

The CATIA software technology training course was delivered through a combination of lectures, demonstrations, and hands-on practical sessions. This blended learning approach ensured that students received a comprehensive understanding of the theoretical concepts while gaining practical experience in applying those concepts using CATIA software.

Course Outcomes

Upon completion of the CATIA software technology training course, students were able to:

- Demonstrate proficiency in using CATIA software for creating 3D models, assemblies, and drawings.
- Apply design principles and engineering concepts in their CATIA projects.
- Understand the capabilities and limitations of CATIA software for various engineering applications.
- Effectively communicate their design ideas and solutions using CATIA visualizations.

Conclusion

The CATIA software technology training course was a valuable learning experience for third-year mechanical engineering students. This program provided students with the essential skills and knowledge to utilize CATIA effectively in their future academic pursuits and professional careers. The hands-on training, combined with expert guidance from CADD Technologies, ensured that students gained a strong foundation in CATIA software and its applications in mechanical engineering.

Course Coordinator

Engineering on a chnology

Dr.D. SEATHIL HOD/Mech

SSM Institute of Engineering and Technology



CADD TECHNOLOGIES"

SCHOOL OF DESIGN PRIVATE LIMITED

CAD / CAM / CAE Training Centre

An ISO 9001: 2015 Certified Company

To,

03.02.2023

The Principal, SSM Institute of Engineering and Technology, Dindigul – Palani Highway Dindigul – 624 002.

Respected Sir,

Sub: Proposal for conducting Value Added Training at Campus Regarding

At the outset, we thank you so much for your continuous support and the courtesy extended during our visit. We furnish below the following details for your kind Perusal and necessary approval.

S.No	Department	Training On	Year of Students	No of Students (Approx.)	Rate/Student (Rs.)
01	Mechanical Engineering	CATIA	2 nd /3 rd o4 4 th Year	50	1400/-+18% GST

We have enclosed herewith the detailed syllabus for your reference as well. Kindly approve the same and assuring you our best services at all times.

Thanking you,

Yours Faithfully,

For CADD Technologies School of Design Private Limited,

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N.Venkatraman Director, Head- Marketing and HR +91 9842003196



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Dr.D. SENTELL KUMARAN, M.S., Ph.D., [NUS]

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Palam Road, Dinargal 624 002.

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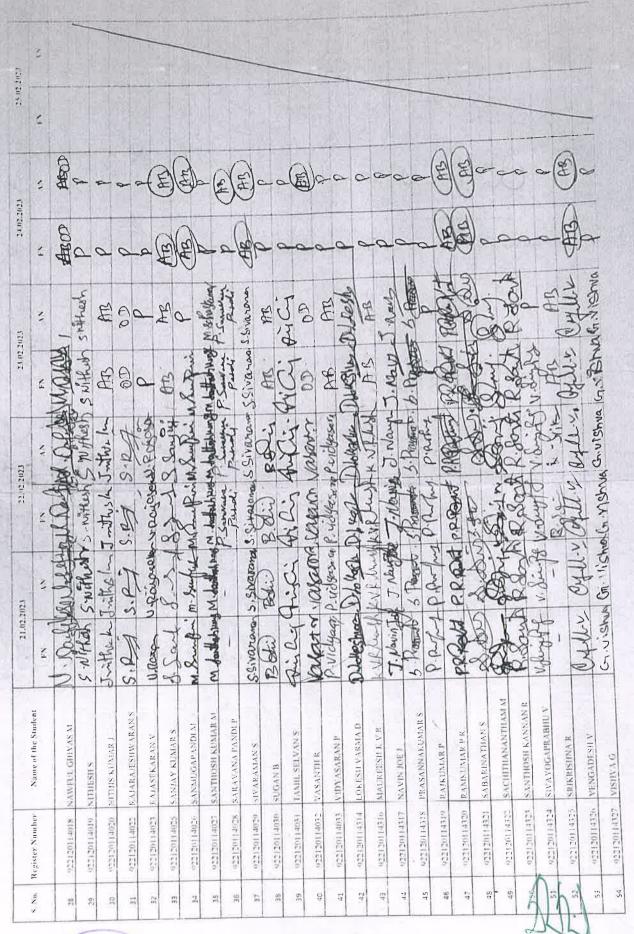
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Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)

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Dr.D. SENTRIL KHIM LOAM, M.R., Ph.D., (NUS)

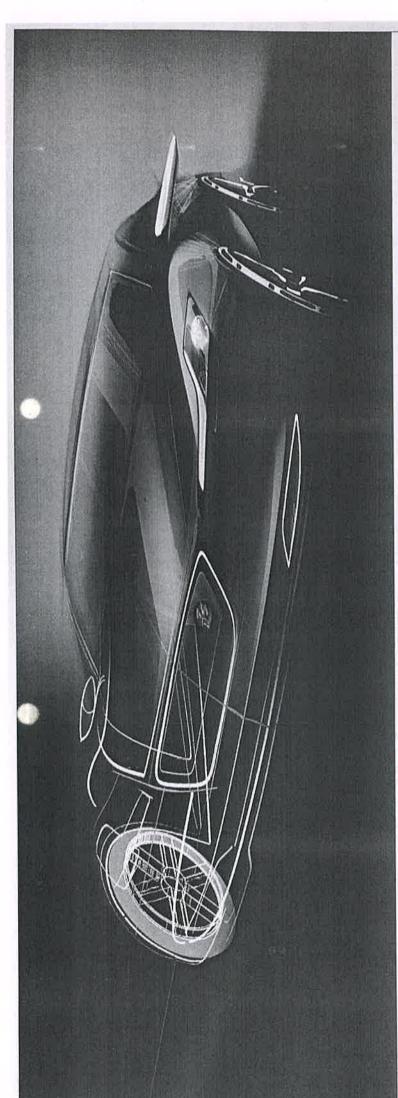
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CATIA Course Title

CELESTINE P Instructor

Course Starting Date 21/02/2023

Course Ending Date 04/03/2023

Course Duration

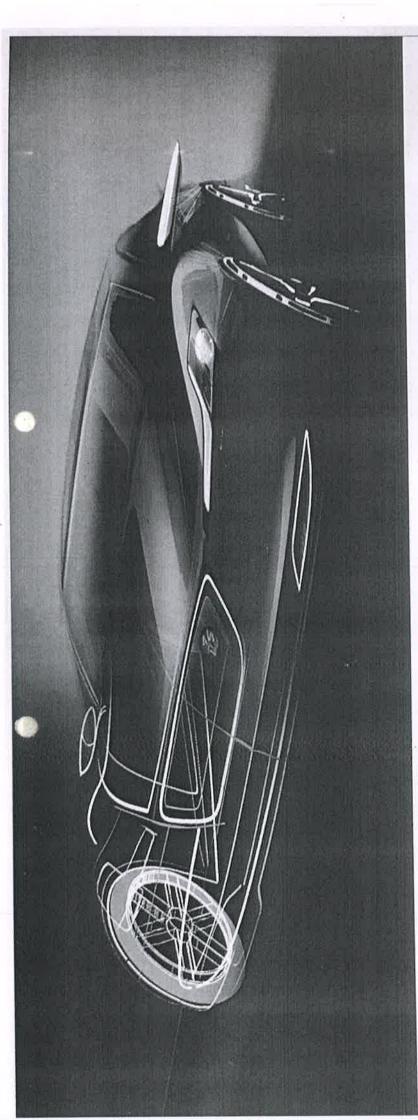
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website: www.caddtechnologies.com



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VENGADESH V Name

CATIA Course Title

CELESTINE P Instructor

21/02/2023 Course Starting Date

04/03/2023

Course Duration

60 Hours

Course Ending Date

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