



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	CATIA
Course Duration	60 hours
Year offered	IV year Mechanical Students
Course Instructors	CADD Technologies School of Design Private Limited, Coimbatore
Course Outcome	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.
Course Type	Self Framed
Assessment Mode	
Attendance	60 hours
Number of Participants	54
Scheme of Exam	Evaluation test in Modeling


Course Coordinator




HoD/Mech.Engg




Dr.D.SENTHIL KUMARAN, M.E., Ph.D., RUSS
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagundu PO,
Palani Road, 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.

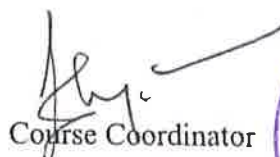
Course Outcomes

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




Dr. D. SENTHIL KUMAR, M.E., Ph.D., (MUS)
HoD/Mech
SSM Institute of Engineering and Technology
Kathupatti Village



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 or 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,

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




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(Accredited by NMC, EFU, FET and MCHL Co-Programme)

Bridgled - Path to Highway, Disinfectant-024 002
DEPARTMENT OF MECHANICAL ENGINEERING
III Year Technology Training Attendance sheet

S.No	Register Number	Name of the Student	21.02.2023		22.02.2023		23.02.2023		P	A	B	P	A	B
			FN	AN	FN	AN	FN	AN						
1	022120114001	ABDUL HARSATH A	Abdulharsath A	Abdulharsath A	Abdulharsath A	Abdulharsath A	Abdulharsath A	Abdulharsath A	P	P	P	P	P	P
2	022120114002	ABHIRAM J	I. Agre	S. Agre	I. Agre	S. Agre	I. Agre	S. Agre	P	P	P	P	P	P
3	022120114003	ADIN KUMAR G	-	-	AD	AD	AD	AD	P	P	P	P	P	P
4	022120114004	BALAJI RAGAN S	G. Balaji	S. Balaji	G. Balaji	S. Balaji	G. Balaji	S. Balaji	P	P	P	P	P	P
5	022120114005	DANI SHIVANI S	S. Dani	S. Dani	S. Dani	S. Dani	S. Dani	S. Dani	P	P	P	P	P	P
6	022120114006	DINESH S	S. Dinesh	S. Dinesh	S. Dinesh	S. Dinesh	S. Dinesh	S. Dinesh	P	P	P	P	P	P
7	022120114007	EDISON S	S. Edison	S. Edison	S. Edison	S. Edison	S. Edison	S. Edison	P	P	P	P	P	P
8	022120114008	FAHIM PANDIAN J	J. Fahim	J. Fahim	J. Fahim	J. Fahim	J. Fahim	J. Fahim	P	P	P	P	P	P
9	022120114009	JOHNSON M	M. John	M. John	M. John	M. John	M. John	M. John	P	P	P	P	P	P
10	022120114010	KARTHIK D	D. Karthi	D. Karthi	D. Karthi	D. Karthi	D. Karthi	D. Karthi	P	P	P	P	P	P
11	022120114011	KARTHIK RAJA R	R. Karthi	R. Karthi	R. Karthi	R. Karthi	R. Karthi	R. Karthi	P	P	P	P	P	P
12	022120114012	KARTHIKEYAN N	N. Karthi	N. Karthi	N. Karthi	N. Karthi	N. Karthi	N. Karthi	P	P	P	P	P	P
13	022120114013	KARSHIN	N. Karshin	N. Karshin	N. Karshin	N. Karshin	N. Karshin	N. Karshin	P	P	P	P	P	P
14	022120114014	MANIKANDAN G	G. Manika	G. Manika	G. Manika	G. Manika	G. Manika	G. Manika	P	P	P	P	P	P
15	022120114015	MOHAMMED RIAZ S	S. Moham	S. Moham	S. Moham	S. Moham	S. Moham	S. Moham	P	P	P	P	P	P
16	022120114016	MUTHU PRABALATHAN V	V. Muthu	V. Muthu	V. Muthu	V. Muthu	V. Muthu	V. Muthu	P	P	P	P	P	P
17	022120114017	MUTHU SANTHOSH S	S. Muthu	S. Muthu	S. Muthu	S. Muthu	S. Muthu	S. Muthu	P	P	P	P	P	P
18	022120114018	ABISHIK N	N. Abishi	N. Abishi	N. Abishi	N. Abishi	N. Abishi	N. Abishi	P	P	P	P	P	P
19	022120114019	ARIN KANNAN K	K. Arin	K. Arin	K. Arin	K. Arin	K. Arin	K. Arin	P	P	P	P	P	P
20	022120114020	ASANTU RAJ V	V. Asantu	V. Asantu	V. Asantu	V. Asantu	V. Asantu	V. Asantu	P	P	P	P	P	P
21	022120114021	BONNARAJ K	K. Bonn	K. Bonn	K. Bonn	K. Bonn	K. Bonn	K. Bonn	P	P	P	P	P	P
22	022120114022	DEVAPRAKASH N	N. Devap	N. Devap	N. Devap	N. Devap	N. Devap	N. Devap	P	P	P	P	P	P
23	022120114023	DEHAKAR C	C. Deha	C. Deha	C. Deha	C. Deha	C. Deha	C. Deha	P	P	P	P	P	P
24	022120114024	HARIHARASUDHAN M	M. Harih	M. Harih	M. Harih	M. Harih	M. Harih	M. Harih	P	P	P	P	P	P
25	022120114025	KARTHIK S	S. Karthi	S. Karthi	S. Karthi	S. Karthi	S. Karthi	S. Karthi	P	P	P	P	P	P
26	022120114026	KAVINRAJ P	P. Kavir	P. Kavir	P. Kavir	P. Kavir	P. Kavir	P. Kavir	P	P	P	P	P	P
27	022120114027	KOWSHIK BALAJI S	S. Kowsh	S. Kowsh	S. Kowsh	S. Kowsh	S. Kowsh	S. Kowsh	P	P	P	P	P	P



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S.No	Regd. Number	Name of the Student	27.02.2023	29.02.2023	01.03.2023	02.03.2023	03.03.2023	04.03.2023	05.03.2023
1	922120114001	ABHINAV S. B. A.	AB	AB	AB	AB	AB	AB	AB
2	922120114002	ADARSH K. A.	I. AB	I. AB	I. AB	I. AB	I. AB	I. AB	I. AB
3	922120114003	ADITHYAN K. A.	AB	AB	AB	AB	AB	AB	AB
4	922120114004	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
5	922120114005	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
6	922120114006	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
7	922120114007	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
8	922120114008	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
9	922120114009	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
10	922120114010	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
11	922120114011	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
12	922120114012	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
13	922120114013	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
14	922120114014	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
15	922120114015	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
16	922120114016	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
17	922120114017	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
18	922120114018	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
19	922120114019	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
20	922120114020	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
21	922120114021	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
22	922120114022	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
23	922120114023	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
24	922120114024	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
25	922120114025	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
26	922120114026	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
27	922120114027	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
28	922120114028	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
29	922120114029	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
30	922120114030	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
31	922120114031	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
32	922120114032	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
33	922120114033	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
34	922120114034	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB
35	922120114035	ADARSH K. A.	AB	AB	AB	AB	AB	AB	AB



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Anaipatti, Tamil Nadu, India

9WWC+M5X, Dindigul - Palani Rd, Anaipatti, Tamil Nadu 624705, India

Lat 10.396771°

Long 77.919529°

21/02/23 11:04 AM GMT +05:30

GPS Map Camera



Kuthathupatti, Tamil Nadu, India

9WX9+7WC, Dindigul - Palani Rd, Kuthathupatti, Tamil Nadu 624709, India

Lat 10.397239°

Long 77.919581°

21/02/23 01:44 PM GMT +05:30

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Training Held at

Dr.D.SENTIL KUMARAN, M.B., Ph.D., (RUS)
Principal

SSM Institute of Engineering and Technology
Kallurathathi Village, Sinduramangudi, 622 002,
Dindigul, Tamil Nadu.

Page No. _____ Date: _____

VENGADESH V

Name

[Signature]

CATIA

Course Title

60 Hours

Course Duration

CELESTINE P

Instructor

21/02/2023

Course Starting Date

04/03/2023

Course Ending Date