

Date: 07-01- 2019

NOTICE

Mechanical Engineering Department is organizing 15 days Training Programme on “ CATIA and GD & T software tools” Mr. Shivanand Daroji, Technical Head, CADD Centre Tanning Services Private Limited, Belagavi., who is the resource person to conduct training programme. Hence, all the final year and pre final year students of Mechanical Engineering Department are hereby informed to enroll your names with course coordinator Mr. Mahantesh Tanodi on or before 18th January 2019.

Circulation To:

Class	VI (A & B)	VIII (A & B)
Signature		

Course Coordinator
(Prof. Mahantesh Tanodi)

HOD
Mechanical Engg.
HIT, Nidasoshi

CERTIFICATE COURSE ON CATIA V5 and GD & T software Tools

(21st January to 07th February 2018)

SCHEDULE

Venue: Computer Aided Machine Drawing Lab, HIT, Nidasoshi.

Time DATE	10.00 A.M - 1.15 P.M	1.15PM- 2.15PM	2.15 P.M – 5.30 P.M
21/01/2019	• Inauguration • Introduction to CATIA V5	LUNCH BREAK	• Understanding View Manipulation
22/01/2019	• Understanding Standard Toolbar		• Understanding Sketch Tools • Creating Construction • Applying Geometrical/ Dimensional Constraints • Understanding User Selection • Understanding Visualization Toolbar • Editing Profile
23/01/2019	• Understanding Constraints		• Sketch Analysis • Introduction to Part Design • Creating Sketch-Based Features • Creating Reference Element • Creating Sketch-based Feature
24/01/2019	• Applying Dress-Up Features • Creating Sketch-Based Features		• Applying Dress-up Features • Creating Surface-Based Features
25/01/2019	• Creating Transformation Features		• Inserting new bodies • Understanding Tools toolbar
26/01/2019	• Apply Material • Understanding Knowledge • Templates • Data Exchange in CATIA • Introduction to Assembly Design • Understanding Product Structure Tools		• Understanding Constraints Toolbar • Understanding Move Toolbar • Understanding Product Structure Tools

27/01/2019	• Assembly Features		• Introduction to Sheet metal
28/01/2019	• Creating Rolled Walls		• Understanding Stamping Operations
01/02/2019	• Understanding Transformation Operations		• Wireframe and Surface Design • Introduction to Surface Design • Understanding Wireframe Toolbar • Creating Surfaces
02/02/2019	• Trim & Split Definition • Creating Surfaces • Understanding Operations Toolbar • Creating Projection Views		• Creating Sectional Views • Adding Drawing Sheets
03/02/2019	• Deriving Annotations		• Applying Dimensioning
04/02/2019	• Understanding Annotations Toolbar		• Understanding Geometry creation Toolbar
05/02/2019	• Introduction GD&T • Dimensions and drawings		• Size Tolerance
06/02/2019	• GD&T System		• GD&T Rules
07/02/2019	• GD&T Concepts		• Modifiers and Symbols • VALIDUCTORY FUNCTION • DISRIBUTION OF CERIFICATES


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MED

NAAC

CERTIFICATE
COURSE

2018-19(EVEN)

SYLLABUS OF CATIA V5

sessions	Topics (Total Hours-80 hrs)
1	Introduction to CATIA V5 • What is CATIA V5 • Design Intent • System Requirements
2	Understanding View Manipulation • Fly mode • Fit All In • Pan • Rotate • Zoom In • Zoom Out • Normal View • Multi View • Quick View • View mode • Hide/Show
3	Understanding Standard Toolbar • New • Open • Save • Save Management • Copy • Paste • Undo • Redo • Basic Sketching • Positioned Sketching Profile Creation Using • Profile • Predefined Profile • Circle • Spline • Conic • Line • Point • Axis
4	Understanding Sketch Tools, Creating Construction, Applying Geometrical/ Dimensional Constraints, Understanding User Selection & Understanding Visualization Toolbar • 3D Element visualization • Dimensional Constraints • Geometrical Constraints Editing Profile



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2018-19(EVEN)

	• Corner • Chamfer
5	Understanding Constraints • Constraints • Constraint Creation • Contact Constraint
6	Sketch Analysis, Introduction to Part Design & Creating Sketch-Based Features • Pad Definition • Pocket Definition • Shaft Definition • Groove Definition • Hole Definition Creating Reference Element • Plane Definition
	Creating Sketch-based Feature • Rib Definition • Slot Definition • Stiffener Definition
7	Applying Dress-Up Features • Edge Fillet Definition • Chamfer Definition Creating Sketch-Based Features • Multi-Sections Solid Definition • Removed Multi-Section Solid Definition
8	Applying Dress-up Features • Draft Reflect Line Definition • Variable Angle Draft Definition • Shell Definition • Thickness Definition Creating Surface-Based Features • Split Definition
9	Creating Transformation Features • Transformation Definition • Rotation Definition • Symmetry Definition • Axis • Mirror Definition • Pattern – Rectangular/ Circular Pattern Definition • Scale Definition
10	Inserting new bodies • Body • Geometric Set Understanding Tools toolbar • Update all • Manual Update Mode • Axis System



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2018-19(EVEN)

11	Apply Material, Understanding Knowledge, Templates, Data Exchange in CATIA, Introduction to Assembly Design & Understanding Product Structure Tools • New Component • New Product • New Part • Existing Component • Existing Component with Positioning
12	Understanding Constraints Toolbar • Coincidence Constraints • Contact Constraints • Offset Constraints • Angle Constraints • Fix Component Understanding Move Toolbar • Manipulation • Snap/Smart Move Understanding Product Structure Tools Generate Numbering
13	Assembly Features • Split • Hole • Pocket
14	Introduction to Sheet metal • Understanding Sheet metal Parameters • Fold/Unfold • Creating Walls • Wall on Edge • Extrusion • Swept Walls- • Flange, Hem • Tear Drop • User Flange
15	Creating Rolled Walls • Hopper • Rolled Wall • Bend / • Conical Bend • Bend from Flat • Unfolding • Folding • Cut-out • Circular cut-out • Hole • Corner Relief • Corner • Chamfer



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16	Understanding Stamping Operations • Surface Stamping • Bead • Curve Stamping • Flanged Cut out • Louver • Bridge • Flanged Hole • Circular stamp • Stiffening rib • Dowel • User Stamp
17	Understanding Transformation Operations • Mirror • Rectangular Pattern • Circular Pattern • User Pattern • Translation • Rotation • Symmetry • Axis to Axis
18	Wireframe and Surface Design, Introduction to Surface Design & Understanding Wireframe Toolbar • Point, Point and Planes Repetition • Line, Axis, Polyline • Plane, Planes Between • Projection • Intersection • Circle, Corner, Connect • Spline • Helix Creating Surfaces • Extruded Surface Definition • Revolution Surface Definition
19	Trim & Split Definition • Creating Surfaces • Cylinder Surface Definition • Offset Surface Definition • Fill Surface Definition • Multi-Sections Surface Definition • Blend Definition
	Understanding Operations Toolbar & Creating Projection Views • Join • Front view • View from 3D • Projection • Isometric



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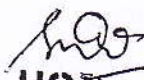
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COURSE

2018-19(EVEN)

	• Advanced Front view
20	Creating Sectional Views & Adding Drawing Sheets • Sheets • New View • Instantiate 2D Component
21	Deriving Annotations • Generate Dimension • Balloon Creation • Bill of Materials
22	Applying Dimensioning • Creating Dimensions Using • Dimensions • Chained Dimensions • Cumulated Dimensions • Stacked Dimensions • Length Dimension • Angle Dimension • Radius Dimension • Diameter Dimension • Chamfer Dimension • Thread Dimension • Co-ordinate Dimension • Hole Dimension Table
23	Understanding Annotations Toolbar • Text • Symbols • Table • Add Leader
	Understanding Geometry creation Toolbar • Points • Line • Circle and Ellipse • Profiles


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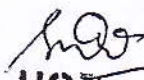
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2018-19(EVEN)

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23	Understanding Annotations Toolbar • Text • Symbols • Table • Add Leader
	Understanding Geometry creation Toolbar • Points • Line • Circle and Ellipse • Profiles


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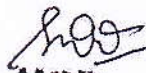
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COURSE

2018-19(EVEN)

	• Datum feature • Datum feature simulator • Datum feature symbol • Coplanar datum features Datum Targets
08	Modifiers and Symbols • Five types of geometric characteristic symbols • Fourteen geometric characteristic symbols Common modifying symbols used in geometric tolerance


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Institute

Mechanical

CATIA

2018-19

Registration

Course Name: CATIA

Course Conducted by: Mr. Shivanand Daroji. CAD Centre Belagavi.

Faculty Coordinator: Prof. Mahantesh Tanodi

Sl.No	Name	Amount Paid	Sign	Remark
1.	Ganesh K S	4800/-	[Signature]	
2.	Shrishil Mathapati	"	[Signature]	
3.	Bhaghyashree Kochari	"	[Signature]	
4.	Vinita Kapsi	"	[Signature]	
5.	Ninganna Karaganwakar	"	[Signature]	
6.	Sagar Hakki	"	[Signature]	
7.	Sutar Dastagir	"	[Signature]	
8.	Mohammed Bagban	"	[Signature]	
9.	Sangamesh Puje	"	[Signature]	
10.	Akshay Korachgaon	"	[Signature]	
11.	Sachin Desai	"	[Signature]	
12.	Chandrashekhar M.	"	[Signature]	
13.	Irappa Karaganvi	"	[Signature]	
14.	Brahmanand Goudar	"	[Signature]	
15.	Suneel Mavinagidad	"	[Signature]	
16.	Akash Rathod	"	[Signature]	
17.	Sagar Devaray	"	[Signature]	
18.	Basavaraj V	"	[Signature]	
19.	Vardhaman Saptasagar	"	[Signature]	
20.	Sudarshan Halejol	"	[Signature]	
21.	Mutteppa Melennavar	"	[Signature]	
22.	Surajkumar Naganuri	"	[Signature]	
23.	Alagouda Paddi	"	[Signature]	
24.	Shivaranjan Badiger	"	[Signature]	
25.	Bhuvaneshwar B.	"	[Signature]	
26.	Parashram Pujari	"	[Signature]	
27.	Anjaneya	"	[Signature]	

[Signature]
HOD

Mechanical Engg.
HIT, Nidasoshi



ATTENDANCE

Course Name: CATIA

Course Conducted by: Mr. Shivanand Daroji. CAD Centre Belagavi.

Faculty Coordinator: Prof. Mahantesh Tanodi

Sl.No	Name/Date	21/11/19	22/11	23/11	24/11	25/11	26/11	27/11	28/11
1.	Ganesh K S	GS	GS	GS	GS	GS	GS	GS	GS
2.	Shrishil Mathapati	SM	SM	SM	SM	SM	SM	SM	SM
3.	Bhaghyashree Kochari	BK	BK	BK	BK	BK	BK	BK	BK
4.	Vinita Kapsi	VK	VK	VK	VK	VK	VK	VK	VK
5.	Ninganna Karaganwakar	NK	NK	NK	NK	NK	NK	NK	NK
6.	Sagar Hakki	SH	SH	SH	SH	SH	SH	SH	SH
7.	Sutar Dastagir	SD	SD	SD	SD	SD	SD	SD	SD
8.	Mohammed Bagban	MB	MB	MB	MB	MB	MB	MB	MB
9.	Sangamesh Pujer	SP	SP	SP	SP	SP	SP	SP	SP
10.	Akshay Korachgaon	AK	AK	AK	AK	AK	AK	AK	AK
11.	Sachin Desai	SD	SD	SD	SD	SD	SD	SD	SD
12.	Chandrashekhar M.	CM	CM	CM	CM	CM	CM	CM	CM
13.	Irappa Karaganvi	IK	IK	IK	IK	IK	IK	IK	IK
14.	Brahmanand Goudar	BG	BG	BG	BG	BG	BG	BG	BG
15.	Suneel Mavinagidad	SM	SM	SM	SM	SM	SM	SM	SM
16.	Akash Rathod	AR	AR	AR	AR	AR	AR	AR	AR
17.	Sagar Devaray	SD	SD	SD	SD	SD	SD	SD	SD
18.	Basavaraj V	BV	BV	BV	BV	BV	BV	BV	BV
19.	Vardhaman Saptasagar	VS	VS	VS	VS	VS	VS	VS	VS
20.	Sudarshan Halejol	SH	SH	SH	SH	SH	SH	SH	SH
21.	Mutteppa Melennavar	MM	MM	MM	MM	MM	MM	MM	MM
22.	Surajkumar Naganuri	SN	SN	SN	SN	SN	SN	SN	SN
23.	Alagouda Paddi	AP	AP	AP	AP	AP	AP	AP	AP
24.	Shivaranjan Badiger	SB	SB	SB	SB	SB	SB	SB	SB
25.	Bhuvaneshwar B.	BB	BB	BB	BB	BB	BB	BB	BB
26.	Parashram Pujari	PP	PP	PP	PP	PP	PP	PP	PP
27.	Anjaneya	AN	AN	AN	AN	AN	AN	AN	AN



ATTENDANCE

Course Name: CATIA

Course Conducted by: Mr. Shivanand Daroji. CAD Centre Belagavi.

Faculty Coordinator: Prof. Mahantesh Tanodi

Sl.No	Name/Date	1/11/19	2/11/19	3/11/19	4/11/19	5/11/19	6/11/19	7/11/19
1.	Ganesh K S	G	G	G	G	G	G	G
2.	Shrishil Mathapati	S	S	S	S	S	S	S
3.	Bhaghyashree Kochari	B	B	B	B	B	B	B
4.	Vinita Kapsi	V	V	V	V	V	V	V
5.	Ninganna Karaganwakar	N	N	N	N	N	N	N
6.	Sagar Hakki	H	H	H	H	H	H	H
7.	Sutar Dastagir	S	S	S	S	S	S	S
8.	Mohammed Bagban	B	B	B	B	B	B	B
9.	Sangamesh Pujer	S	S	S	S	S	S	S
10.	Akshay Korachgaon	A	A	A	A	A	A	A
11.	Sachin Desai	S	S	S	S	S	S	S
12.	Chandrashekhar M.	C	C	C	C	C	C	C
13.	Irappa Karaganvi	I	I	I	I	I	I	I
14.	Brahmanand Goudar	B	B	B	B	B	B	B
15.	Suneel Mavinagidad	S	S	S	S	S	S	S
16.	Akash Rathod	A	A	A	A	A	A	A
17.	Sagar Devaray	S	S	S	S	S	S	S
18.	Basavaraj V	B	B	B	B	B	B	B
19.	Vardhaman Saptasagar	V	V	V	V	V	V	V
20.	Sudarshan Halejol	S	S	S	S	S	S	S
21.	Mutteppa Melennavar	M	M	M	M	M	M	M
22.	Surajkumar Naganuri	S	S	S	S	S	S	S
23.	Alagouda Paddi	A	A	A	A	A	A	A
24.	Shivaranjan Badiger	S	S	S	S	S	S	S
25.	Bhuvaneshwar B.	B	B	B	B	B	B	B
26.	Parashram Pujari	P	P	P	P	P	P	P
27.	Anjaneya	A	A	A	A	A	A	A



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Faculty Coordinator: Prof. Mahantesh Tanodi

Sl.No	Name/Date	21/11/18	22/11/18	23/11/18	24/11/18	25/11/18	26/11/18	27/11/18	28/11/18
1.	Ganesh K S	GS	GS	GS	GS	GS	GS	GS	GS
2.	Shrishil Mathapati	SM	SM	SM	SM	SM	SM	SM	SM
3.	Bhaghyashree Kochari	BK	BK	BK	BK	BK	BK	BK	BK
4.	Vinita Kapsi	VK	VK	VK	VK	VK	VK	VK	VK
5.	Ninganna Karaganwakar	NK	NK	NK	NK	NK	NK	NK	NK
6.	Sagar Hakki	SH	SH	SH	SH	SH	SH	SH	SH
7.	Sutar Dastagir	SD	SD	SD	SD	SD	SD	SD	SD
8.	Mohammed Bagban	MB	MB	MB	MB	MB	MB	MB	MB
9.	Sangamesh Pujer	SP	SP	SP	SP	SP	SP	SP	SP
10.	Akshay Korachgaon	AK	AK	AK	AK	AK	AK	AK	AK
11.	Sachin Desai	SD	SD	SD	SD	SD	SD	SD	SD
12.	Chandrashekhar M.	CM	CM	CM	CM	CM	CM	CM	CM
13.	Irappa Karaganvi	IK	IK	IK	IK	IK	IK	IK	IK
14.	Brahmanand Goudar	BG	BG	BG	BG	BG	BG	BG	BG
15.	Suneel Mavinagidad	SM	SM	SM	SM	SM	SM	SM	SM
16.	Akash Rathod	AR	AR	AR	AR	AR	AR	AR	AR
17.	Sagar Devaray	SD	SD	SD	SD	SD	SD	SD	SD
18.	Basavaraj V	BV	BV	BV	BV	BV	BV	BV	BV
19.	Vardhaman Saptasagar	VS	VS	VS	VS	VS	VS	VS	VS
20.	Sudarshan Halejol	SH	SH	SH	SH	SH	SH	SH	SH
21.	Mutteppa Melennavar	MM	MM	MM	MM	MM	MM	MM	MM
22.	Surajkumar Naganuri	SN	SN	SN	SN	SN	SN	SN	SN
23.	Alagouda Paddi	AP	AP	AP	AP	AP	AP	AP	AP
24.	Shivaranjan Badiger	SB	SB	SB	SB	SB	SB	SB	SB
25.	Bhuvaneshwar B.	BB	BB	BB	BB	BB	BB	BB	BB
26.	Parashram Pujari	PP	PP	PP	PP	PP	PP	PP	PP
27.	Anjaneya	AN	AN	AN	AN	AN	AN	AN	AN



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Faculty Coordinator: Prof. Mahantesh Tanodi

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1.	Ganesh K S	G	G	G	G	G	G	G	
2.	Shrishil Mathapati	S	S	S	S	S	S	S	
3.	Bhaghyashree Kochari	B	B	B	B	B	B	B	
4.	Vinita Kapsi	V	V	V	V	V	V	V	
5.	Ninganna Karaganwakar	N	N	N	N	N	N	N	
6.	Sagar Hakki	H	H	H	H	H	H	H	
7.	Sutar Dastagir	S	S	S	S	S	S	S	
8.	Mohammed Bagban	B	B	B	B	B	B	B	
9.	Sangamesh Pujer	S	S	S	S	S	S	S	
10.	Akshay Korachgaon	A	A	A	A	A	A	A	
11.	Sachin Desai	S	S	S	S	S	S	S	
12.	Chandrashekhar M.	C	C	C	C	C	C	C	
13.	Irappa Karaganvi	I	I	I	I	I	I	I	
14.	Brahmanand Goudar	B	B	B	B	B	B	B	
15.	Suneel Mavinagidad	S	S	S	S	S	S	S	
16.	Akash Rathod	A	A	A	A	A	A	A	
17.	Sagar Devaray	S	S	S	S	S	S	S	
18.	Basavaraj V	B	B	B	B	B	B	B	
19.	Vardhaman Saptasagar	V	V	V	V	V	V	V	
20.	Sudarshan Halejol	S	S	S	S	S	S	S	
21.	Mutteppa Melennavar	M	M	M	M	M	M	M	
22.	Surajkumar Naganuri	S	S	S	S	S	S	S	
23.	Alagouda Paddi	A	A	A	A	A	A	A	
24.	Shivaranjan Badiger	S	S	S	S	S	S	S	
25.	Bhuvaneshwar B.	B	B	B	B	B	B	B	
26.	Parashram Pujari	P	P	P	P	P	P	P	
27.	Anjaneya	A	A	A	A	A	A	A	



INSTITUTIONAL COURSE CERTIFICATE OF COMPLETION

**CADD
CENTRE**

Skills Driven Job Led



Awarded to : Basavaraj Vajjaramatti

In : GD & T

At : HIT Nidasoshi Engineering College

By : CADD Centre Training Services, Belgaum, Nehru Nagar

During : Feb-2019 Duration : 16 Hrs Student ID: C190147657



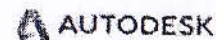
MANAGING DIRECTOR

Ketaki Anteshwar Narvane

CENTRE HEAD

18-02-2019

DATE OF ISSUE



The course is offered by CADD Centre on the software developed by the respective companies. All brand names and trademarks belong to respective owners. Institutional Course are specially designed for meeting the academic curriculum requirements. The course offered at the institutes, by qualified trainers and supporting study materials.

Corporate Office : 8th Floor, GEE GEE Crystal, Office No. 8C & 8D, #91, Dr. Radhakrishnan Salai, Mylapore, Chennai-600 004, India.

www.caddcentre.com

An ISO 9001 - 2015 Certified Company

**Activity Feedback Form**

Title of Event: Training Programme on CATIA and GD & T software tools

Date of Event: From 21-01-2019 To 07-02-2019

Name of Resource Person: Mr. Shivanand Daroji, Technical Head, CADD Centre Tanning Services Private Limited, Belagavi.

Number of Students: 27

Instructions: Please tick your level of agreement with the statements listed below	Strongly Agree	Moderately Agree	Agree	Not relevant to this event
1. Understood importance modeling CATIA and Hyper mesh software in the mechanical engineering domain?	✓			
2. Do you agree CATIA stands for Computer Aided three-dimensional Interactive application & use for physical modeling in various industries including Mechanical and Aerospace?	✓			
3. Do you agree this training helped to learn part design, assembly, drafting, wireframe & surface, and generative sheet metal design workbenches of CATIA V5?	✓			
4. Do you agree CATIA V5 is used to design complex designs & it has a many tools for producing a new design like surface modeling, part, assembly, sheet metal design etc.	✓			
5. Do you agree that you have learnt (GD & T) which provides a working knowledge of the correct interpretation and application of each symbol, general rules and datum system?	✓			
6. Do you agree that you have learnt GD&T is essential to ensure functional information and design intent from the assembly to its individual parts and insures accurate fitting assemblies and spare parts?	✓			
7. Do you agree Geometric dimensioning and tolerancing (GD&T) is used as a symbolic way of showing specific tolerances on drawings and effectively communicates the design intent to manufacturing and inspection?	✓			
8. Do you agree training on modeling software and GD & T help to choose best carrier opportunities in industries?	✓			
9. Overall opinion of the event.		✓		

Any other comments?

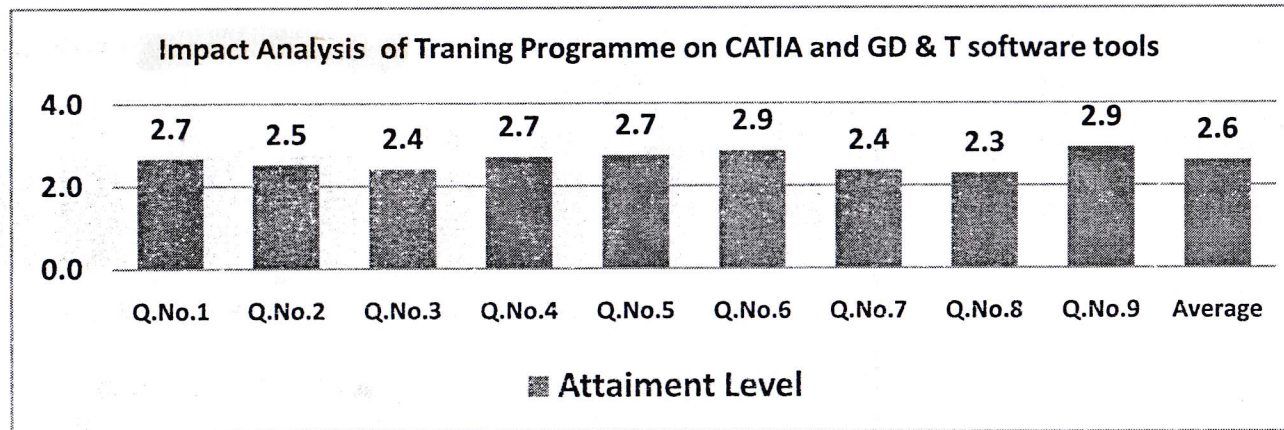
I studied the different tools & techniques used in design using Cata software.


Student Signature

Title of Event: Traning Programme on CATIA and GD & T software tools

Number of Students: 27

Q. No.	Strongly Agree(3)		Moderately Agree(2)		Agree (1)		Not relevant this event(0)		Total score	% of attainment = (Total score/Total Students Attended)	Average Percentage attainment	Attainment Level	Mapped POs	Mapped PSOs
Q.No.1	20	60	5	10	2	2	0	0	72	2.7		High = 3	1,2, 3, 4, 5,6,8,10	1,2, 3
Q.No.2	18	54	5	10	4	4	0	0	68	2.5				
Q.No.3	15	45	8	16	4	4	0	0	65	2.4				
Q.No.4	21	63	4	8	2	2	0	0	73	2.7				
Q.No.5	22	66	3	6	2	2	0	0	74	2.7				
Q.No.6	23	69	4	8	0	0	0	0	77	2.9				
Q.No.7	17	51	3	6	7	7	0	0	64	2.4				
Q.No.8	11	33	13	26	3	3	0	0	62	2.3				
Q.No.9	25	75	2	4	0	0	0	0	79	2.9				
Average										2.6	87.0			



Impact Analysis: From the above Table, Traning Programme on CATIA and GD & T software tools event substantially attained to level 3 against mapped

PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO10,PSO1,PSO2 and PSO3.

NOTE: Substantial or high = 3, Medium = 2 and Low = 1

(Signature)
AIMSS Coordinator
(Prof. M.M.Shivashini)



(Signature)
HOD
Mechanical Engg.
HIT, Nidasoshi