



## SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul - Palani Highway, Dindigul - 624 002.

Phone: 0451-2448800-99 (100 Lines) Fax: 0451-2448855

Email: [ssmietdgl@gmail.com](mailto:ssmietdgl@gmail.com) Website: [www.ssmiet.ac.in](http://www.ssmiet.ac.in)

10.05.2022

### DEPARTMENT OF CIVIL ENGINEERING

#### Submitted to the Principal

**Sub:** Requisition of approval to conduct AutoCAD Software Training Program –Reg.

It is planned to conduct **AutoCAD** Software Training Program for III year & II Year Civil Engineering students under **Technology Training Program**. This training is to conduct by CADD Technologies School of Design Private Limited, Coimbatore.

S. No.	Year	Period	No of Days	No of Students	Rate/ Student Rs.	Total Fees Rs
1	III & II Year	21.04.2022 to 29.04.2022	9	36	Rs.1500/- <i>(* including GST)</i>	54000/-

The proposal and course content received from CADD Technologies School of Design Private Limited is also enclosed for your kind perusal and approval.

Program Coordinator

Mr.T.Sivaganesan

HoD/CIVIL  
10/5/22

PRINCIPAL  
10/5/22



# CADD TECHNOLOGIES

## SCHOOL OF DESIGN PRIVATE LIMITED

CAD / CAM / CAE Training Centre

AN ISO 9001 : 2015 Certified Company

**Address:** 33, Rajaji Road, Ram Nagar, Gandhipuram, Coimbatore - 641 009.  
**Contact:** +91 99422 24219, 98420 79990, Tel : 0422 223 4400  
**Email:** corporate@caddtechnologies.com **Website:** www.caddtechnologies.com

**Branches :**  
 ■ COIMBATORE ■ CHENNAI  
 ■ MADURAI ■ POLLACHI

02.05.2022

Invoice No: CTS / SSM IET / 22-23 / 05

To,

The Principal,  
 SSM Institute of Engineering and Technology,  
 Dindigul-Palani Highway,  
 Dindigul- 624002

Respected Sir,

Sub: Invoice for Value Added Programs Conducted at your Campus

S.No	Training On	No of Students	Rate/Student (Rs.)	Amount
01	Auto CAD	36	1500/-+18% GST	54000/- 9720/-
	Total			<b>Rs.63720/-</b>

(Rupees Sixty Three Thousand seven hundred and Twenty only)

**Bank Details:**

Account No: 0187360000000147  
 Account with: DBS- LVB Bank Ltd  
 IFSC: DBSS0IN0187  
 Our GST No: 33AAECC9084H1ZJ

Thanking you,

Yours Faithfully,

For CADD Technologies School of Design Private Limited,

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



**AUTODESK**  
 Authorized Training Center  
 Authorized Certification Center  
 Authorized Academic Partner



**Bentley  
Institute**  
Product Training Partner

**ptc  
university**  
Authorized Training Centre



Mo  
BD



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

(Accredited by NBA - BCE, EEE & MECH UG Programmes)

Dindigul - Palani Highway, Dindigul 624 002

Date: 13.04.22

## CIRCULAR

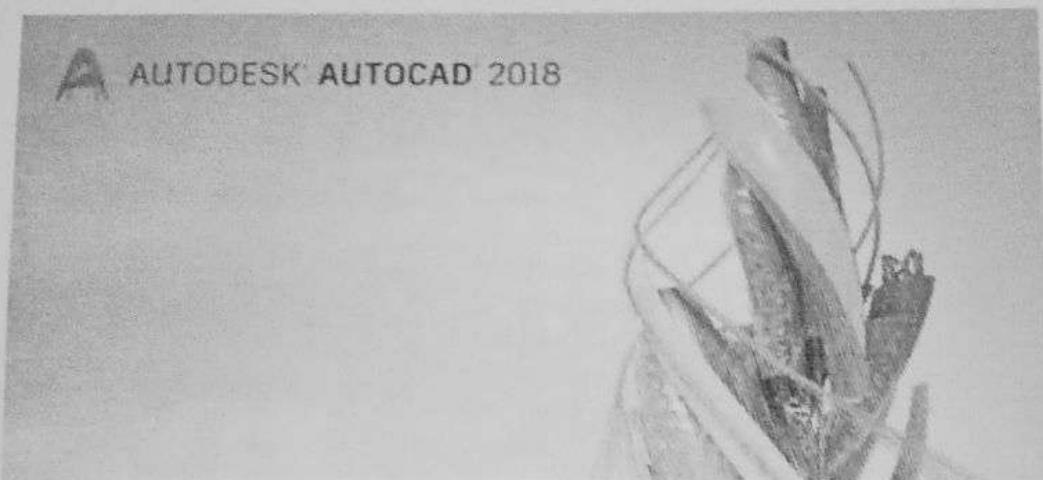
It is planned to conduct Value Added Course for II & III year students by Department of Civil Engineering along with CADD TECHNOLOGIES SCHOOL OF DESIGN PVT. LTD.

S.N o	Year	Name of the Course	Period	No. of Days
1.	II Year	AUTO CAD	21.04.22 to 29.04.22	7 Days
2.	III Year			

Faculty In-charge

HoD/Civil

## **DEPARTMENT OF CIVIL ENGINEERING**



Cadd Technologies School of design Private limited,  
Coimbatore-641 009.

## **Technology Training**

**AUTO CAD**

**2021-22**

**SECOND AND THIRD YEAR 2021-22**

## AutoCAD

### 60 Hrs. Syllabus

S.NO	CONTENT
1	Introduction to CAD/CAM/CAE & Introduction to AutoCAD & Design Basics
2	Units, Limits, Drafting Settings, Selection Methods
3	Modify(Erase, Move, Copy, Rotate, Trim, Extend)Draw(Polyline, rectangle, Polygon)
4	Draw(Arc, Ellipse, Spline, Point, Hatch, Region, Revision Cloud, Wipe Out, Construction Line, Ray, Donut)
5	Modify(Array, Break, Break at point, Fillet, Chamfer, Scale, Lengthen, Stretch, Explode, Join, Align)
6	Annotation(Text, Dimensions)
7	Annotation(Leaders, Table, Scaling)
8	Property Tool bar, Layer Tool bar, Draw order
9	Drafting Settings(Infer Constraint) & Parametric Constraints
10	Block & Dynamic Block
11	Isometric View, Customize Hatch
12	Layout & Plotting
13	Introduction of 3D, Views, Viewports, Orbit, Visual styles
14	Solid Creation, 3D Modify & UCS
15	Solid Editing & Material
16	Surface Creation
17	Surface Editing
18	Mesh (Creation & Editing), Section
19	Rendering Materials, Lighting
20	Motion Path Animation

**No of Students in Third year** - 14

**No of Students in Second Year** - 22

**Total** - 36

**Rate/Student** - Rs.1500/- GST

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## DEPARTMENT OF CIVIL ENGINEERING

III YEAR - ACADEMIC YEAR 2021-22

### TECHNOLOGY TRAINING (AUTOCAD) ATTENDANCE (PERIOD - 21.04.22 TO 29.04.22)

Si. No	Reg.No	Name of the Student	21.04.22				22.04.22				23.04.22				25.04.22				26.04.22				27.04.22				28.04.22				
			FN	AN	FN	AN	FN	AN	FN																						
1	922119103001	S. ABUL BAJAR	SAF	SAF	SAF	SAF	SAF	SAF	SAF	SAF																					
2	922119103002	S. ARAVINTH	SAF	SAF	SAF	SAF	SAF	SAF	SAF	SAF																					
3	922119103003	A. CHANDRA PRABHU	SAF	SAF	SAF	SAF	SAF	SAF	SAF	SAF																					
4	922119103004	M. HEMARAJ	MH	MH	MH	MH	MH	MH	MH	MH																					
5	922119103007	C. MAHAVISHNUVARMAN	CMV	CMV	CMV	CMV	CMV	CMV	CMV	CMV																					
6	922119103008	P. POORNACHANDRAN	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC	P. PNC		
7	922119103010	S. SANJEEVI	SSV	SSV	SSV	SSV	SSV	SSV	SSV	SSV	SSV																				
8	922119103011	J. SANTHOSH CALVIN	JSC	JSC	JSC	JSC	JSC	JSC	JSC	JSC	JSC																				
9	922119103012	S. R. SATHEESH KUMAR	SRSK	SRSK	SRSK	SRSK	SRSK	SRSK	SRSK	SRSK	SRSK																				
10	922119103013	S. SHEIK DAWOOD	SSD	SSD	SSD	SSD	SSD	SSD	SSD	SSD	SSD																				
11	922119103014	R. SIVA	RSV	RSV	RSV	RSV	RSV	RSV	RSV	RSV	RSV																				
12	922119103015	P. SURESH KUMAR	PSK	PSK	PSK	PSK	PSK	PSK	PSK	PSK	PSK																				
13	922119103016	C.R. VIJAY	CRV	CRV	CRV	CRV	CRV	CRV	CRV	CRV	CRV																				
14	922119103017	A.P.K. YOGESH ARASAN	APKA	APKA	APKA	APKA	APKA	APKA	APKA	APKA	APKA																				
		No of Students Present	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
		No of Students Absent	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Initial	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q



Value Added Course Incharge

  
HOD/Civil

SSU—INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul - Palani Highway, Dindigul - 624 002.

Page: 0051 2118800 00 (1001 : 00) Date: 01/01/2011

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Email: ssmietdgl@gmail.com Website: www.ssmiet.ac.in

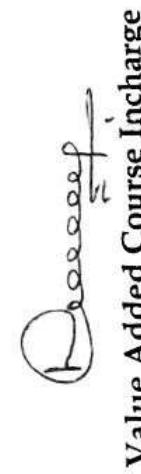
DEPARTMENT OF CIVIL ENGINEERING

**TECHNOLOGY TRAINING (AUTOCAD) ATTENDANCE (PERIOD - 21.04.22 TO 29.04.22)**

**II YEAR - ACADEMIC YEAR 2021-22**

-0	922120103305	NAVEEN KUMARS																		
21	922120103306	NOYAL JERALD RAJA																		
22	922120103307	SHAKE ABDULLA E																		
	No of Students Present	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
	No of Students Absent	01	-	01	01	-	-	01	01	01	01	01	01	01	01	01	01	01	-	-
	Initial	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01

  
HOD/Civil

  
Value Added Course Incharge



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**30.04.2022**

### **Department of Civil Engineering**

#### **Technology Training Report**

As an initiative for technology training was conducted for Second year and Third year Civil Engineering students in our campus scheduled from 21.04.2022 to 29.04.2022 at Civil CAD Lab. The content of the training is AutoCAD - 2021 (60 hours). The technology training was given by Mr.S.Pradheep, CADD Technologies and Coimbatore- 641009.

Students familiar theAutoCAD technology using AutoCAD Software.

- Utilize CAD software to create Geometric Constructions,
- Apply Multi-View Projection, Sectional Views, Auxiliary Views and dimensioning to create pictorial drawings,
- Apply the stages of the design process from scratch using engineering graphics techniques such as sectional projections, dimensioning and computer generated drawings (2D and 3D).
- Create and edit architectural working drawings that include walls, doors, windows, stairs, and roofs of residential and commercial buildings.
- Create and edit wall modifier styles, endcaps to create wall design. Monitor multiple roof intersections and create roofs for dormers.
- Create a 3D walkthrough video

The technology training benefited 36 students (II Yr - 22 & III Yr -14). Dr.G.Selvabharathi and Mr.T.Sivaganesan from the Department of Civil Engineering organised the training.



Anaipatti, Tamil Nadu, India  
9WXC+4CH, Anaipatti, Tamil Nadu 624705, India  
Lat 10.397229°  
Long 77.919892°  
21/04/22 09:52 AM



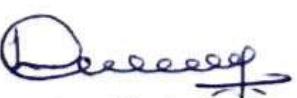
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9WXC+4CH, Anaipatti, Tamil Nadu 624705, India  
Lat 10.397242°  
Long 77.919902°  
23/04/22 09:26 AM



Anaipatti, Tamil Nadu, India  
9WXC+4CH, Anaipatti, Tamil Nadu 624705, India  
Lat 10.397228°  
Long 77.919896°  
22/04/22 01:41 PM



Anaipatti, Tamil Nadu, India  
9WXC+4CH, Anaipatti, Tamil Nadu 624705, India  
Lat 10.397239°  
Long 77.919901°  
23/04/22 02:11 PM

  
Technology Training In-charge

  
HOD/Civil

  
Principal



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Dindigul – Palani, Highway, Dindigul – 624 002

**1. In AutoCAD 2D Modelling, which axis is not accessible for drafting?**

- A X
- B Y
- C Z
- D WCS

**2. A Polyline can be broken into individual lines and arcs using which of the following command?**

- A BREAK
- B TRIM
- C EXPLODE
- D OVERKILL

**3. Origin of the AutoCAD drawing space is,**

- A 0,0
- B 1,0
- C 0,1
- D 1,1

**4. Scrolling of mouse can perform which following action?**

- A Zoom in / zoom out
- B pan & scan
- C extents / all
- D scale

**5. In AutoCAD, the number of workspaces is,**

- A 1
- B 2
- C 3
- D 4

**6. Is there any difference between Command Plot and Print?**

- A plot command prints only big plans
- B The plot command for CNC (CAM)
- C No difference
- D Print command can print upto A3 size paper

**7. Find the false statement in regards with "If an array is made associative".**

- A You can't use Boolean operations on the array elements
- B To make the array non associative you need to use explode command on it
- C The array can be edited again by selecting it
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**8. An open area can be filled with which of the following gradient:**

- A Gap
- B Tolerance
- C Transparency
- D Open

**9. The shortcut to start a table is,**

- A T
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**10. What is the shortcut for zoom command?**

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**11. To select a set of objects in the workspace, what should be done?**

- A By a crossing window drawn from right to left
- B By a crossing window drawn left to right
- C Shift + clicking on the objects
- D None of the above

**12. A line shows its dimension as 14.52. What is the precision of this line?**

- A [0 0]
- B [0 00]
- C [0 000]
- D Display of length has nothing to do with precision

**13. Model Tab and Layout Tab can be majorly distinguished as,**

- A. The Model tab is used for drawing in 3D and a Layout is used for drawing in 2D
- B. The Model tab is where you create the drawing, and a Layout tab represents the sheet that you will plot or print on
- C. The colour of the background
- D. The Model tab displays the drawing you are copying from and the Layout tab is where you lay out the new drawing

**14. Shortcut key for Multileader in AutoCAD 2022,**

- A. M<sub>L</sub>
- B. MLN
- C. MLEADER
- D. MULTI

**15. To bring a particular area of the workspace in focus, what command should be used?**

- A. Zoom Extents
- B. Zoom Window
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- D. Zoom All

**16. What are the various options from left to right and the opposite direction?**

- A. Choose a different category of objects
- B. Select objects according to their colour
- C. Select objects according to their position
- D. No difference

**17. Shortcut for Trim command is,**

- A. T
- B. TR
- C. TI
- D. X

**18. A Boolean operation that is used to select interfering region between solids,**

- A. Union
- B. Intersect
- C. Subtract
- D. None of the above

**19. What command allows us to select objects based on some status?**

- A. Properties
- B. Qselect
- C. Pselect

**D. Attributes**

**20. If you change the scale list a project that I have started from 1:50 1:10 then,**

- A. You will have to start over
- B. You should not raise the objects already exist (scale) by 5
- C. You will not need to change anything in hitherto methodology
- D. Should be converted into new items that will add based on the new scale

**21. A line 4mm in length inclined at 75 degrees to the x- axis can be represented as,**

- A. will write 0 <75
- B. will write 0 <15
- C. will write 4 <15
- D. will write 4 <75

**22. How will you create a line representing length 15 units at an angle of 30 degrees with respect to the positive direction of the X-axis and the first point of the line is not at the origin?**

- A. 30<15
- B. 15<30
- C. @30<15
- D. @15<30

**23. Which of the following options cannot be used to represent a line?**

- A. Yards
- B. Parsecs
- C. Microns
- D. Grads

**24. A fillet command is used to produce,**

- A. Sharp corners
- B. Round corners
- C. Both of the above
- D. None of the above

**25. Which one of the following is not a property of an object?**

- A. Line weight
- B. Measure
- C. Hyperlink
- D. Elevation

**26. In MLine tool editor, symbol tool can be found on which panel?**

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S. Abal Bajar

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39  
50

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**26. In MLine tool editor, symbol tool can be found on which panel?**

- A Tools
- B Insert
- C Options
- D Formatting

7. What is the default design workspace in AutoCAD 2022?

- A AutoCAD Classic
- B Drafting & Annotation
- C 3D Basics
- D 3D Modelling

28. What time (according to the clock) are 180 degrees according to the conventional time?

- A 12 exactly
- B 6 exactly
- C 9 exactly
- D 3 exactly

29. Which coordinate option can be used to reset the orientation of UCS to its default?

- A UCS, World
- B UCS, Named UCS
- C UCS, Previous
- D UCS Icon, Properties

30. An object can be obtained from a block by using,

- A EXPLODE
- B OVERKILL
- C REDEFINE
- D UNGROUP

31. The symbol that shows snap point to the closest point,

- A With circles and dots in the centre
- B With two triangles
- C With three orthogonal
- D With Diamond

32. In order to measure the dimensions of a land, the surveyor uses which of the following system,

- A No one method
- B Related cartesian coordinates
- C Absolute polar coordinates
- D None of the above

33. The command that is used to convert a block into a drawing object,

- A EXPLODE
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- B >
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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

S. Savind  
~~40/50~~

1. In AutoCAD 2D Modelling, which axis is not accessible for drafting?

- A. X
- B. Y
- C. Z
- D. WCS

2. A Polyline can be broken into individual lines and arcs using which of the following command?

- A. BREAK
- B. TRIM
- C. EXPLODE
- D. OVERKILL

3. Origin of the AutoCAD drawing space is,

- A. 0,0
- B. 1,0
- C. 0,1
- D. 1,1

4. Scrolling of mouse can perform which following action?

- A. Zoom in / zoom out
- B. pan & scan
- C. extents / all
- D. scale

5. In AutoCAD, the number of workspaces is,

- A. 1
- B. 2
- C. 3
- D. 4

6. Is there any difference between Command Plot and Print?

- A. plot command prints only big plans
- B. The plot command for CNC (CAM)
- C. No difference
- D. Print command can print upto A3 size paper

7. Find the false statement in regards with "If an array is made associative".

- A. You can't use Boolean operations on the array elements
- B. To make the array non associative you need to use explode command on it
- C. The array can be edited again by selecting it
- D. The array can't be modified in any way once it is made associative

8. An open area can be filled with which of the following gradient:

- A. Gap
- B. Tolerance
- C. Transparency
- D. Open

9. The shortcut to start a table is,

- A. T
- B. TA
- C. TBL
- D. TABLE

10. What is the shortcut for zoom command?

- A. Z Command
- B. Rotate mouse wheel
- C. ZOOM Command
- D. All of the above

11. To select a set of objects in the workspace, what should be done?

- A. By a crossing window drawn from right to left
- B. By a crossing window drawn left to right
- C. Shift + clicking on the objects
- D. None of the above

12. A line shows its dimension as 14.52. What is the precision of this line?

- A. [0.0]
- B. [0.00]
- C. [0.000]
- D. Display of length has nothing to do with precision

**13. Model Tab and Layout Tab can be majorly distinguished as,**

- A. The Model tab is used for drawing in 3D and a Layout is used for drawing in 2D
- B. The Model tab is where you create the drawing, and a Layout tab represents the sheet that you will plot or print on
- C. The colour of the background
- D. The Model tab displays the drawing you are copying from and the Layout tab is where you lay out the new drawing

**14. Shortcut key for Multileader in AutoCAD 2022,**

- A. ML
- B. MLN
- C. MLEADER
- D. MULTI

**15. To bring a particular area of the workspace in focus, what command should be used?**

- A. Zoom Extents
- B. Zoom Window
- C. Zoom Dynamic
- D. Zoom All

**16. What are the various options from left to right and the opposite direction?**

- A. Choose a different category of objects
- B. Select objects according to their colour
- C. Select objects according to their position
- D. No difference

**17. Shortcut for Trim command is,**

- A. T
- B. TR
- C. TI
- D. X

**18. A Boolean operation that is used to select interfering region between solids,**

- A. Union
- B. Intersect
- C. Subtract
- D. None of the above

**19. What command allows us to select objects based on some status?**

- A. Properties
- B. Qselect
- C. Pselect

**D. Attributes**

**20. If you change the scale list a project that I have started from 1:50 1:10 then,**

- A. You will have to start over
- B. You should not raise the objects already exist (scale) by 5
- C. You will not need to change anything in hitherto methodology
- D. Should be converted into new items that will add based on the new scale

**21. A line 4mm in length inclined at 75 degrees to the x-axis can be represented as,**

- A. will write 0 <75
- B. will write 0 <15
- C. will write 4 <15
- D. will write 4 <75

**22. How will you create a line representing length 15 units at an angle of 30 degrees with respect to the positive direction of the X-axis and the first point of the line is not at the origin?**

- A. 30<15
- B. 15<30
- C. @30<15
- D. @15<30

**23. Which of the following options cannot be used to represent a line?**

- A. Yards
- B. Parsecs
- C. Microns
- D. Grads

**24. A fillet command is used to produce,**

- A. Sharp corners
- B. Round corners
- C. Both of the above
- D. None of the above

**25. Which one of the following is not a property of an object?**

- A. Line weight
- B. Measure
- C. Hyperlink
- D. Elevation

**26. In MLine tool editor, symbol tool can be found on which panel?**

- A Tools
- B Insert
- C Options
- D Formatting

27. What is the default design workspace in AutoCAD 2022?

- A AutoCAD Classic
- B Drafting & Annotation
- C 3D Basics
- D 3D Modelling

28. What time (according to the clock) are 180 degrees according to the conventional time?

- A 12 exactly
- B 6 exactly
- C 9 exactly
- D 3 exactly

29. Which coordinate option can be used to reset the orientation of UCS to its default?

- A UCS, World
- B UCS, Named UCS
- C UCS, Previous
- D UCS Icon, Properties

30. An object can be obtained from a block by using,

- A EXPLODE
- B OVERKILL
- C REDEFINE
- D UNGROUP

31. The symbol that shows snap point to the closest point,

- A With circles and dots in the centre
- B With two triangles
- C With three orthogonal
- D With Diamond

32. In order to measure the dimensions of a land, the surveyor uses which of the following system,

- A No one method
- B Related cartesian coordinates
- C Absolute polar coordinates
- D None of the above

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**Department of Civil Engineering**

**STUDENT FEEDBACK FORM**

Name of the Student: M. Hemaraj  
Year/Sem: III yr  
Date: 29.04.23

Dear Student,

You are required to give your feedback on the following aspects.

S No	Criteria	Rating				
		Excellent	Very good	Good	Fair	Satisfactory
1	Course content		/			
2	Skill development					
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Year/Sem: *III yr*

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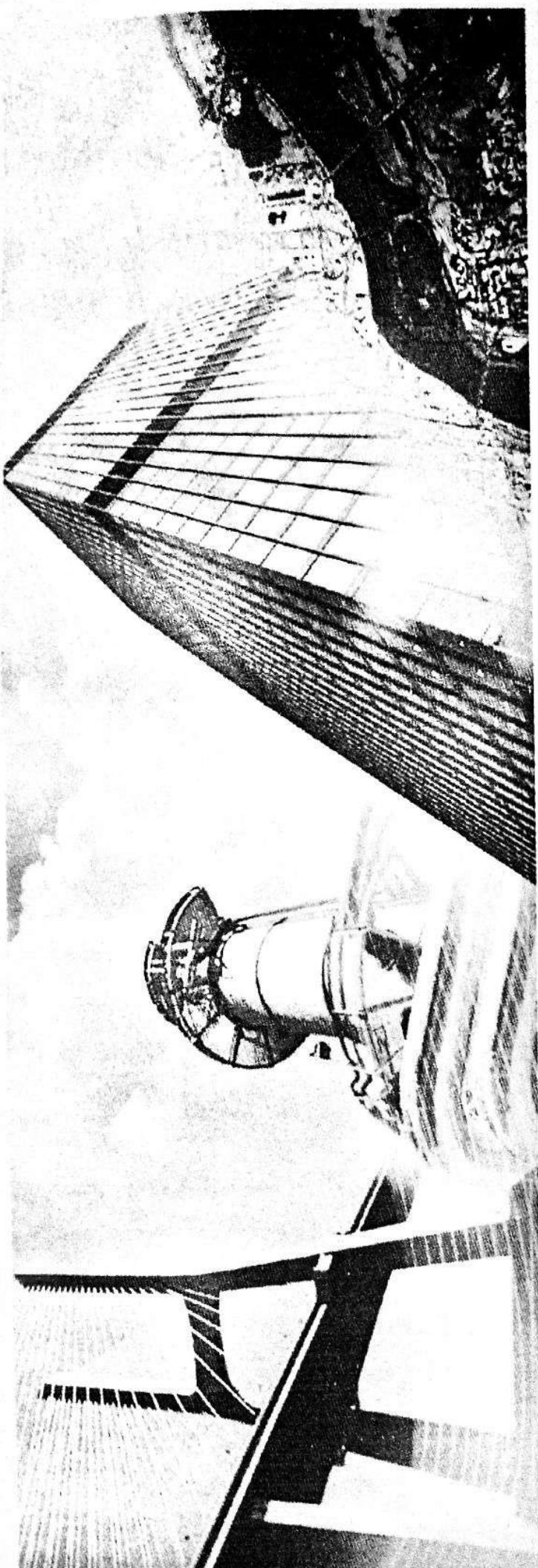
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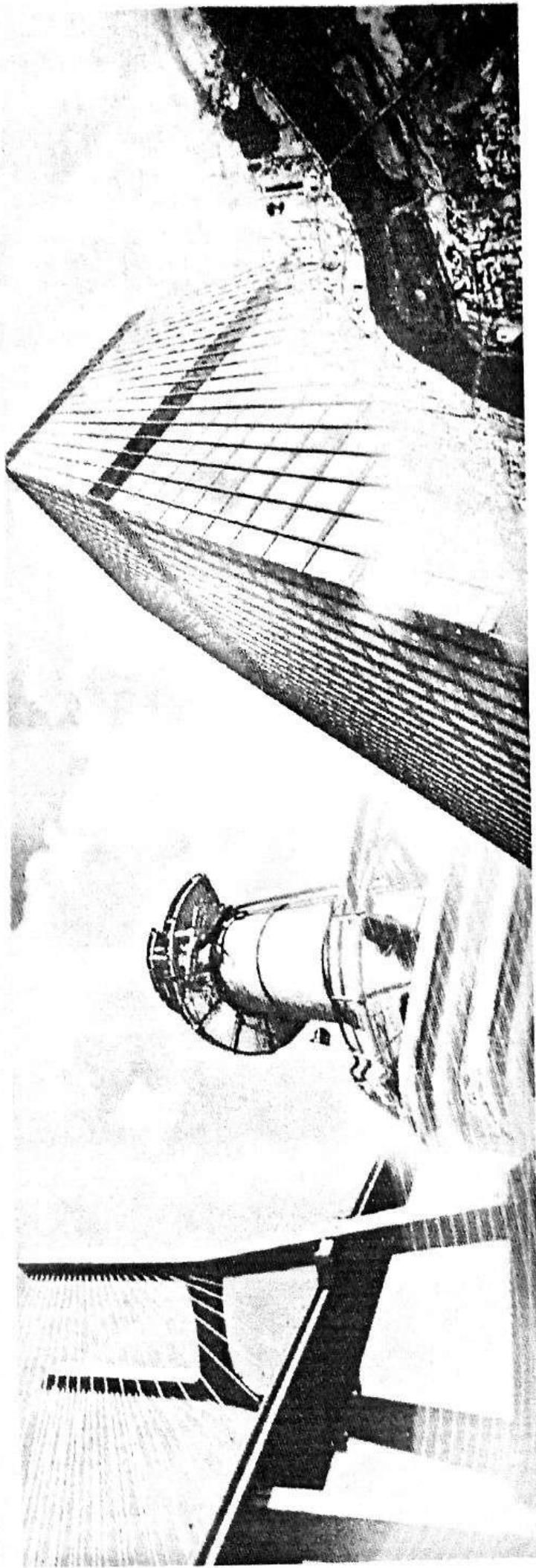
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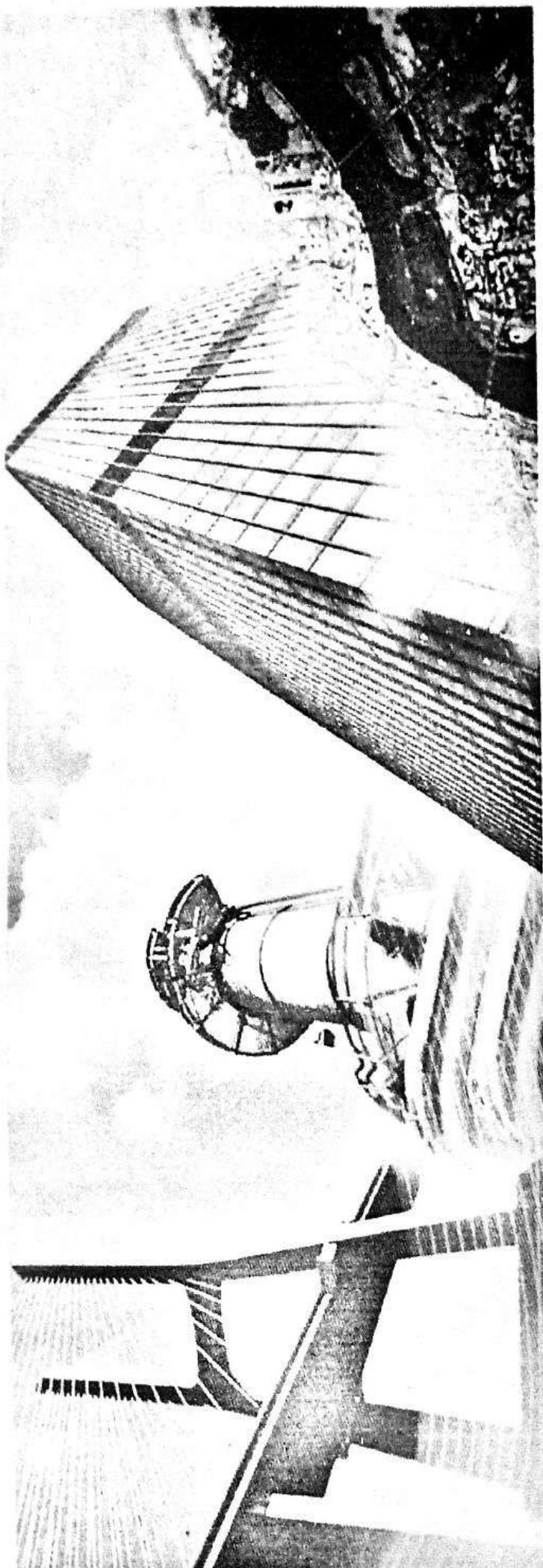
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