



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

(Accredited by NBA – ECE, EEE & MECH UG Programs)

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



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

Principal

SSM Institute of Engineering and Technology

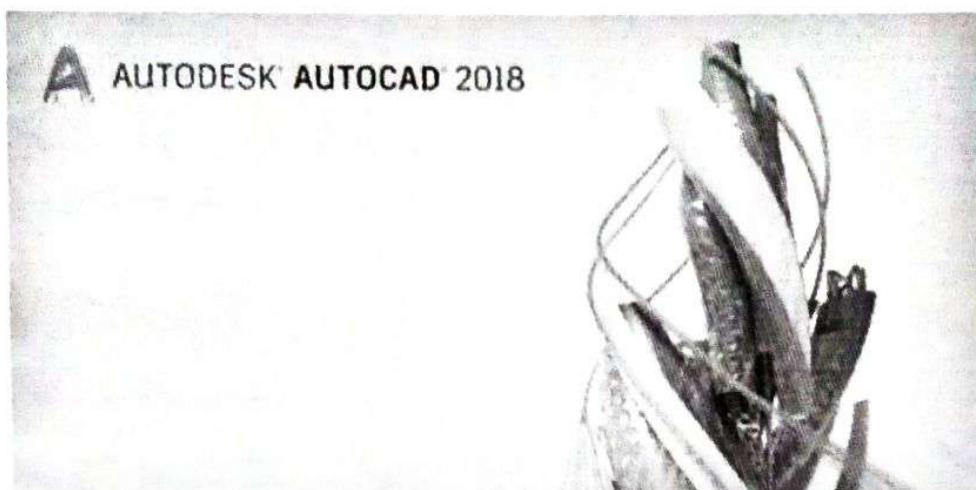
Kuttatsupatti Vinayi, Sendalagundu (Po),

Palani Road, Dindigul - 624 002.



**SSM Institute of Engineering and Technology,  
Dindigul-624002.**

## **DEPARTMENT OF CIVIL ENGINEERING**



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

## **Technology Training**



  
**Dr.D.SENTHIL KUMARAN, M.Tech., Ph.D., (M.S.)**  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (P.O),  
Palani Road, Dindigul - 624 002.

## 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

**Dr.D.SENTHIL KUMARAN, M.E., Ph.D., B.E.**  
 Principal  
 SSM Institute of Engineering and Technology  
 Kuttathupattu Village, Sandagundu(Po),  
 Palani Road, Dindigul - 624 002.



# SSM INSTITUTE OF ENGINEERING & TECHNOLOGY

Dindigul - Palani Highway, Dindigul - 624 002.  
 Phone: 0451-2448800-99 (100 Lines) Fax: 0451-2448855  
 Email: ssmietdgl@gmail.com Website: www.ssmiet.ac.in

## 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																									
1	922119103001	S. ABUL BAJAR	SAJU	SABU																										
2	922119103002	S. ARAVINTH	SAV																											
3	922119103003	A. CHANDRA PRABHU	CHANDRA																											
4	922119103004	M. HEMARAJ	MH																											
5	922119103007	C. MAHAVISHNUVARMAN	MAHESH																											
6	922119103008	P. POORNACHANDRAN	P. RAVI																											
7	922119103010	S. SANJEEVI	SAJU																											
8	922119103011	J. SANTHOSH CALVIN	SANTHOSH																											
9	922119103012	S. R. SATHEESH KUMAR	SATEESH																											
10	922119103013	S. SHEIK DAWOOD	SHEIK																											
11	922119103014	R. SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA	SIVA
12	922119103015	P. SURESH KUMAR	SURESH																											
13	922119103016	C.R. VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY	VIJAY
14	922119103017	A.P.K. YOGESH ARASAN	YOGESH																											
No of Students Present			14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
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



SSM  
Institute of Engineering and Technology  
Autocad Training  
Palani Road, Palani, Tamil Nadu - 624 002.

Dr.D.SENTHIL KUMAR, M.E, Ph.D, (FUSI)  
Principal  
HOD/Civil

Value Added Course Incharge

SSM Institute of Engineering and Technology  
Autocad Training  
Palani Road, Palani, Tamil Nadu - 624 002.

HOD/Civil



**SSVN INSTITUTE OF ENGINEERING & 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)

DEPARTMENT OF CIVIL ENGINEERING

II YEAR - ACADEMIC YEAR 2021-22

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

**SSM Institute of Engineering and Technology**  
Auttappattu Village, Selviyampatti- 630 091,  
Palani Road, Dindigul - 624 002.

11

Value Added Course Incharge

July

~~HOD/Civil~~

Dr.D.SENTHIL KUMARAN M.E., Ph.D., [MUS]

卷之三

卷之三

Ergonomics and technology

Vorlesung 1

Dinkel - 624 D02





## 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

**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

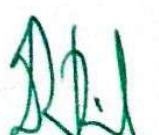
**11. To select a set of objects in the workspace, what should be done?**

- 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

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



**Principal**

**SSM Institute of Engineering and Technology**

**Kuttathupatti Village, Sindalagundu P.O.**

**Palani Road, Dindigul - 624 002.**

**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

- C. REDEFINE
- D. UNGROUP

**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

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

- A. EXPLODE
- B. OVERKILL

**34. The function of a polar array is to create object.**

- A. In a grid pattern
- B. In a circular pattern
- C. In a straight line
- D. All the above

**35. Fillet in various corners can be created simultaneously using which command,**

- A. Loop
- B. Chain
- C. Multiple
- D. Edge

**36. The command used to convert separate entities into a polyline,**

- A. Union
- B. Subtract
- C. Join
- D. Polyline

**37. Command used to create a rectangle 8 units in length and 6 units in width, starting not from the origin,**

- A. 8,6
- B. 6,8
- C. @8,6
- D. @6,8

**38. AutoCAD commands can be accessed in,**

- A. Drawing area
- B. Status bar
- C. Tool bars
- D. Command window

**39. Various methods to access PAN command,**

- A. Right click and select PAN from contextual menu
- B. PAN command
- C. Press and hold middle mouse button
- D. All of the above

**40. The file extension that cannot be accessed by AutoCAD,**

- A. dwg
- B. dxf
- C. doc
- D. dws

26/1

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., BMS  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (Po),  
Palani Road, Dindigul - 624 002.

**41. Plagiostomi angle can be created by which angle,**

- A. chamfer
- B. fillet
- C. offset
- D. mirror

**42. In AutoCAD, polar coordinate is used for creating,**

- A. arc
- B. ellipse
- C. angular lines
- D. none of the above

**43. To print the entire project, you will choose to regulate what to plot**

- A. Display
- B. Extends
- C. Limits
- D. Window

**44. The layer that can be deleted from the layer property manager,**

- A. Layer 0
- B. Defpoints
- C. Layer containing objects
- D. Frozen layer not containing objects

**45. The maximum number of layers that a drawing can have?**

- A. 1
- B. 2
- C. As many as depending on the complexity
- D. None of the above

**46. The hatch pattern used to fill a closed area,**

- A. ANSI31
- B. ANGLE
- C. SOLID
- D. Filled area can't be made with hatch command

**47. Which state grid is used to design perspective?**

- A. Parametric
- B. Isometric
- C. Pro-optic
- D. Rectangular

**48. The position of the camera can be tuned accurately using,**

- A. Pan
- B. Zoom

- C. Orbit
- D. Navigation Wheel

**49. What is the highest value of layer transparency?**

- A. 100
- B. 50
- C. 30
- D. 90

**50. An inclined angle can be produced using which command.**

- A. <
- B. >
- C. @
- D. #



A handwritten signature in black ink, appearing to read "Dr. D. Senthil Kumaran".

**Dr. D. SENTHIL KUMARAN, M.S., Ph.D., (NUS)**  
Principal  
**SSM Institute of Engineering and Technology**  
Kuttathupattu Village Sindalagundu (Po),  
Palani Road, Dindigul - 624 002.



# 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

- 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

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

Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (P.O),  
Palani Road, Dindigul - 624 002.

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

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

- A EXPLODE
- B OVERKILL

- C REDEFINE
- D UNGROUP

34. The function of a polar array is to create object.

- A In a grid pattern
- B In a circular pattern
- C In a straight line
- D All the above

35. Fillet in various corners can be created simultaneously using which command,

- A Loop
- B Chain
- C Multiple
- D Edge

36. The command used to convert separate entities into a polyline,

- A Union
- B Subtract
- C Join
- D Polyline

37. Command used to create a rectangle 8 units in length and 6 units in width, starting not from the origin,

- A 8,6
- B 6,8
- C @8,6
- D @6,8

38. AutoCAD commands can be accessed in,

- A Drawing area
- B Status bar
- C Tool bars
- D Command window

39. Various methods to access PAN command,

- A Right click and select PAN from contextual menu
- B PAN command
- C Press and hold middle mouse button
- D All of the above

40. The file extension that cannot be accessed by AutoCAD,

- A dwg
- B dxf
- C doc
- D dws



41. Plagiostomi angle can be created by which angle,

- A Chamfer
- B fillet
- C offset
- D mirror

42. In AutoCAD, polar coordinate is used for creating,

- A arc
- B ellipse
- C angular lines
- D none of the above

43. To print the entire project, you will choose to regulate what to plot

- A Display
- B Extends
- C Limits
- D Window

44. The layer that can be deleted from the layer property manager,

- A Layer 0
- B Defpoints
- C Layer containing objects
- D frozen layer not containing objects

45. The maximum number of layers that a drawing can have?

- A 1
- B 2
- C As many as depending on the complexity
- D None of the above

46. The hatch pattern used to fill a closed area,

- A ANSI31
- B ANGLE
- C SOLID
- D Filled area can't be made with hatch command

47. Which state grid is used to design perspective?

- A Parametric
- B Isometric
- C Pro-optic
- D Rectangular

48. The position of the camera can be tuned accurately using,

- A Pan
- B Zoom

- C Orbit
- D Navigation Wheel

49. What is the highest value of layer transparency?

- A 100
- B 50
- C 30
- D 90

50. An inclined angle can be produced using which command.

- A <
- B >
- C @
- D #



A handwritten signature in blue ink, likely belonging to Dr. D. Senthil Kumaran, written over a blue ink stamp.

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

PT.O. No. 100

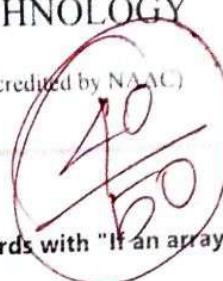
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Kadatagundu(Po),  
Palani Road, Dindigul - 624 002.



## 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. Senthil Kumaran



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



Dr.D.SENTHIL KUMARAN, M.E., Ph.D., [NUS]  
Principal

SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindalagundu (P.O),  
Palani Road, Dindigul - 624 002.

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

- A. Properties
- B. Select
- C. Select
- D. Select

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?

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

SSM Institute of Engineering and Technology

Kuttathupatti Village, Madlagundu (P.O),

Palani, Coimbatore, 624 002

- 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

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

- A EXPLODE
- B OVERKILL

- C REDEFINE
- D UNGROUP

34. The function of a polar array is to create object,

- A In a grid pattern
- B In a circular pattern
- C In a straight line
- D All the above

35. Fillet in various corners can be created simultaneously using which command,

- A Loop
- B Chain
- C Multiple
- D Edge

36. The command used to convert separate entities into a polyline,

- A Union
- B Subtract
- C Join
- D Polyline

37. Command used to create a rectangle 8 units in length and 6 units in width, starting not from the origin,

- A 8,6
- B 6,8
- C @8,6
- D @6,8

38. AutoCAD commands can be accessed in,

- A Drawing area
- B Status bar
- C Tool bars
- D Command window

39. Various methods to access PAN command,

- A Right click and select PAN from contextual menu
- B PAN command
- C Press and hold middle mouse button
- D All of the above

40. The file extension that cannot be accessed by AutoCAD,

- A dwg
- B dxf
- C doc
- D dws

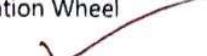
11. Plagiostomi angle can be created by which angle,

- A. Chamfer
- B. Fillet
- C. Offset
- D. Mirror



C. Orbit

D. Navigation Wheel



49. What is the highest value of layer transparency?

- A. 100
- B. 50
- C. 30
- D. 90



42. In AutoCAD, polar coordinate is used for creating,

- A. Arc
- B. Ellipse
- C. Angular lines
- D. None of the above



43. To print the entire project, you will choose to regulate what to plot

- A. Display
- B. Extents
- C. Limits
- D. Window



50. An inclined angle can be produced using which command.

- A. F
- B. >
- C. @
- D. #



44. The layer that can be deleted from the layer property manager,

- A. Layer 0
- B. Defpoints
- C. Layer containing objects
- D. Frozen layer not containing objects



45. The maximum number of layers that a drawing can have?

- A. 1
- B. 2
- C. As many as depending on the complexity
- D. None of the above

46. The hatch pattern used to fill a closed area,

- A. ANSI31
- B. ANGLE
- C. SOLID
- D. Filled area can't be made with hatch command



47. Which state grid is used to design perspective?

- A. Parametric
- B. Isometric
- C. Pro-optic
- D. Rectangular



48. The position of the camera can be tuned accurately



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

Principal

SSM Institute of Engineering and Technology  
Kuttathupatti Village, Dindigul (P.O),  
Palani Road, Dindigul - 624 002.

**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL - 624 002**

**Department of Civil Engineering**

**STUDENT FEEDBACK FORM**

Name of the Student: **M. Hemaraj**

Year/Sem: **III yr**

Date: **29.09.23**

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		/			
3	Motivation		/			
4	Regularity and Punctuality of trainer			/		
5	Coverage of syllabus			/		
6	Interaction	/				
7	Individual attention	/				
8	Outcome	/				

**Deevey**

Faculty In-charge



**B**  
HoD/Civil

**D.S.K.**

**Dr.D.SENTHIL KUMARAN, M.E., Ph.D.,(NUS)**  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sindagudu P.O,  
Palani Road, Dindigul - 624 002

**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL - 624 002**

**Department of Civil Engineering**

**STUDENT FEEDBACK FORM**

Name of the Student: *S. Sanjvar*

Year/Sem: *III yr*

Date: *29. 04. 23*

Dear Student,

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

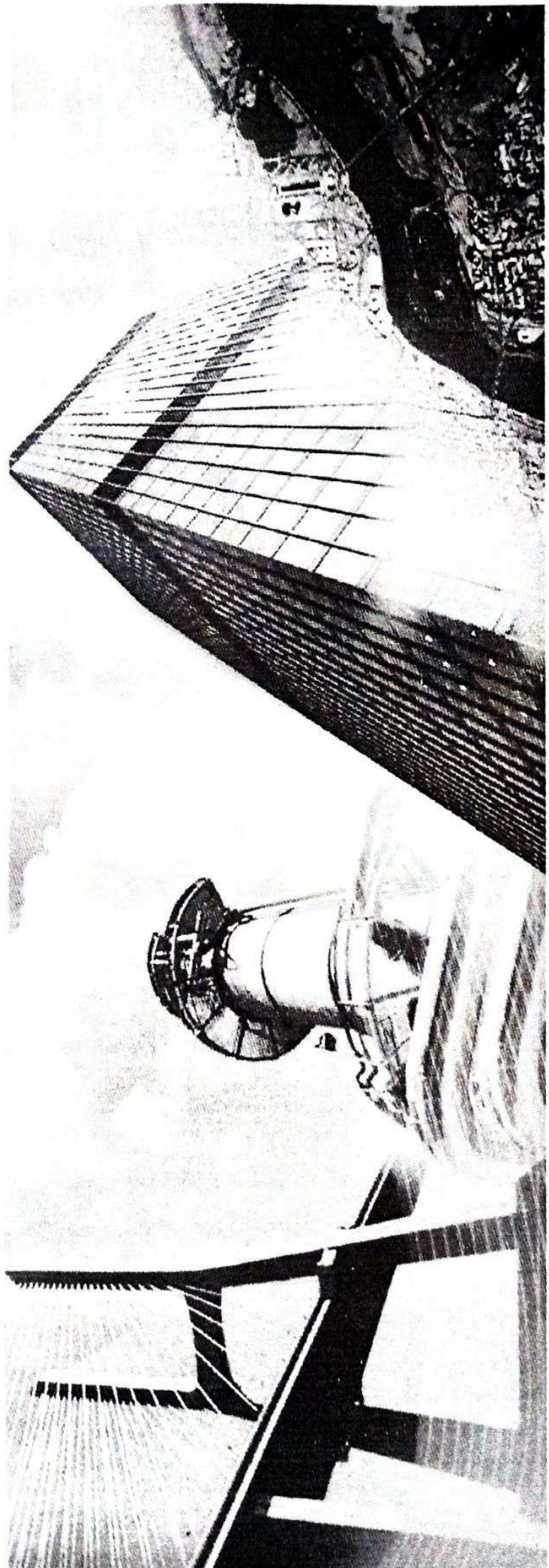
S.No	Criteria	Rating				
		Excellent	Very good	Good	Fair	Satisfactory
1	Course content			/		
2	Skill development			/		
3	Motivation			/		
4	Regularity and Punctuality of trainer		/			
5	Coverage of syllabus		/			
6	Interaction		/			
7	Individual attention		/			
8	Outcome		/			

*Deevey,*  
Faculty In-charge



*D. Senthil Kumaran*  
**Dr. D. SENTHIL KUMARAN, M.E., Ph.D., (MUS)**  
Principal  
SSM Institute of Engineering and Technology  
Kuttathupatti Village, Sengalagundu (Po),  
Palani Road, Dindigul - 624 002.

*B*  
HoD/Civil



## Certificate of Completion

Congratulations

**ABUL BAJAR S**  
Name

**AUTO CAD**  
Course Title  
Instructor

**DEVENDIRANK**  
Course Starting Date  
21/04/2022

**29/04/2022**  
Course Ending Date

CADD TECHNOLOGIES SCHOOL OF DESIGN PRIVATE LIMITED Courses will facilitate the development of engineering and technological Skills with a purpose to augment employ ability and design excellence.

CADD TECHNOLOGIES helps students/ professionals to achieve excellence in design using CAD/CAM/CAE products.

**50 Hours**  
Course Duration

**29/04/2022**  
Course Duration

**CADD TECHNOLOGIES™**  
SCHOOL OF DESIGN PRIVATE LIMITED

CAD / CAM / CAE Training Centre  
An ISO 9001 : 2015 Certified

Website : [www.caddtechnologies.com](http://www.caddtechnologies.com)

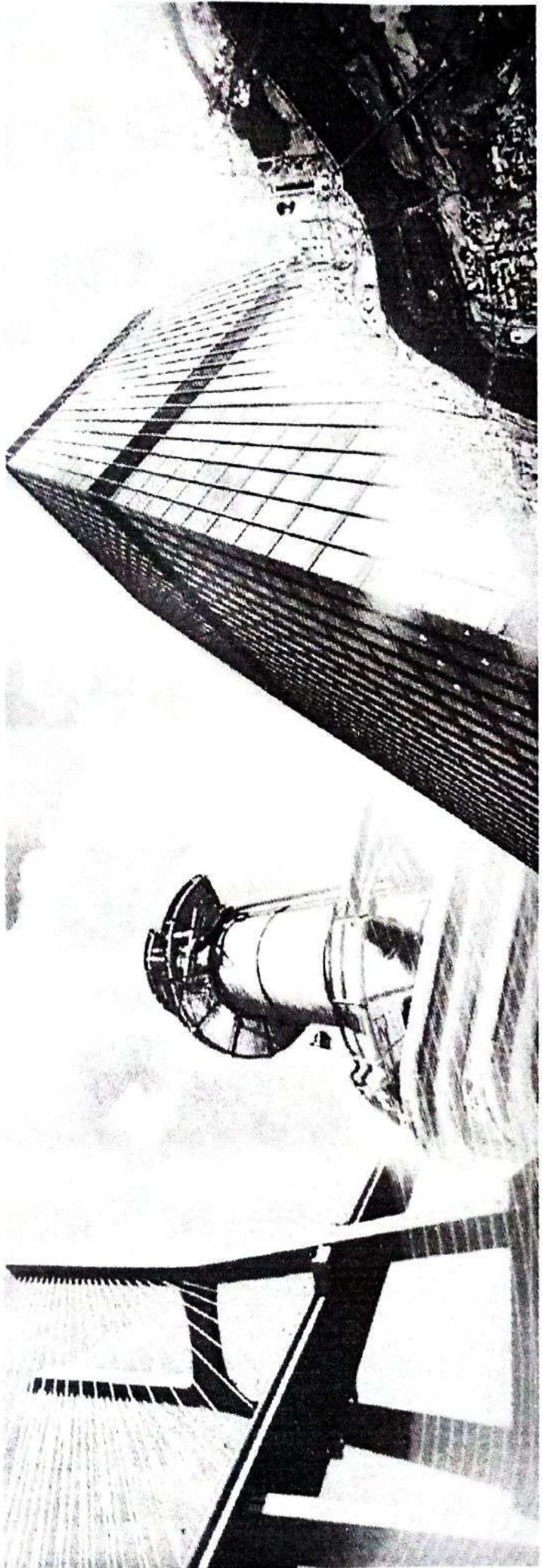
**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Training Held at



**Dr.D.SENTHIL KUMARAN, M.E, Ph.D, (NUS)**  
Principal  
SSM Institute of Engineering and Technology  
Kuttipathu Village, Nadumuttam P.O,  
Pelanai Road, Dindigul 624 002

Head Training



## Certificate of Completion

Congratulations

ARAVINDH S  
Name

AUTO CAD	50 Hours	Course Duration
Course Title	Course Starting Date	Course Ending Date
Instructor	21/04/2022	29/04/2022

DEVENDIRANK	21/04/2022	29/04/2022
Instructor	Course Starting Date	Course Ending Date

**CADD TECHNOLOGIES™**  
SCHOOL OF DESIGN PRIVATE LIMITED

CAD / CAM / CAE Training Centre  
An ISO 9001 : 2015 Certified

website : [www.caddtechnologies.com](http://www.caddtechnologies.com)

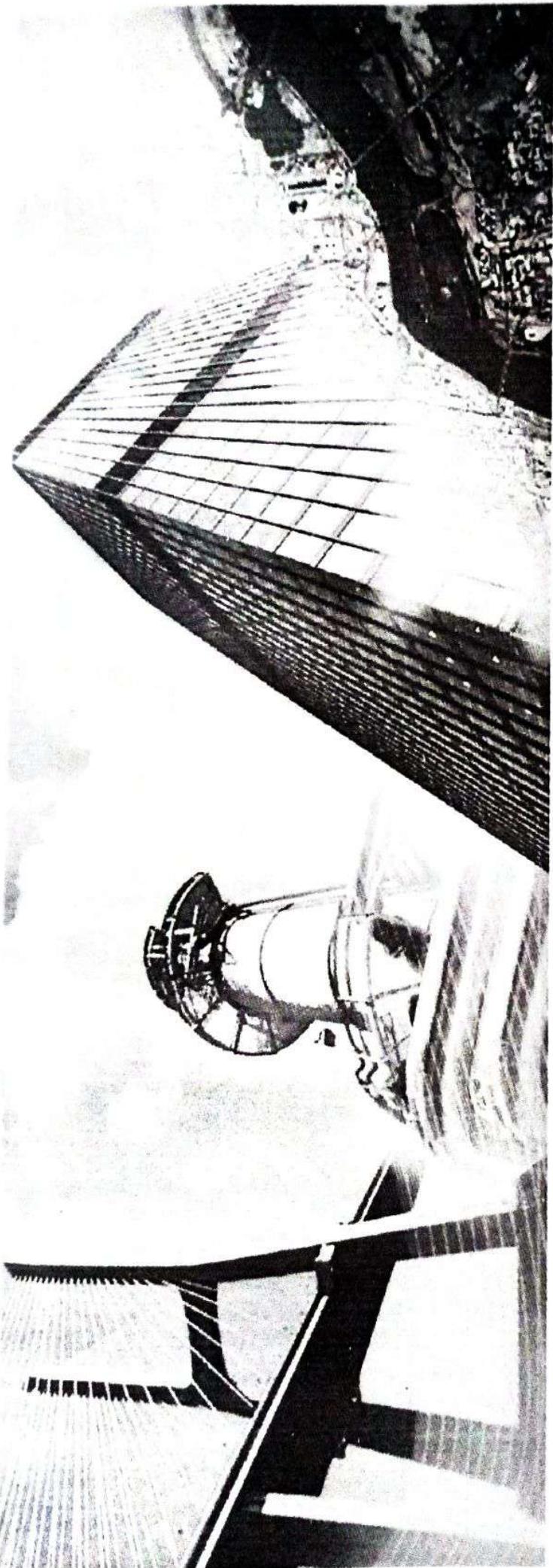


**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Training Held at

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)  
Principal  
SSM Institute of Engineering and Technology  
Kuttathampatti Village, Sivagangai (T),  
Tamil Nadu, India, Pincode - 624002.

Head Training



## Certificate of Completion

Congratulations

CHANDRA PRABHU A

Name

**AUTO CAD** .....  
Course Title  
**50 Hours** .....  
Course Duration

**DEVENDIRANK** .....  
Instructor  
**21/04/2022** .....  
Course Starting Date  
**29/04/2022** .....  
Course Ending Date

CADD TECHNOLOGIES SCHOOL OF DESIGN PRIVATE LIMITED courses will facilitate the development of engineering and technological skills with a purpose to augment employability and design excellence.

CADD TECHNOLOGIES helps students/professionals to achieve excellence in design using CAD/CAM/CAE products.

**CADD TECHNOLOGIES™**  
SCHOOL OF DESIGN PRIVATE LIMITED

CAD / CAM / CAE Training Centre  
An ISO 9001 : 2015 Certified

Website : [www.caddtechnologies.com](http://www.caddtechnologies.com)



**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Training Held at

Dr.D.SENTHIL KUMARAN, M.E., Ph.D., I.Mech.E

Principal  
SSM Institute of Engineering and Technology  
Autumn 2011 Building, Adyar Main Road,  
Poovar, Kollam, Kerala - 691 002.

Head Training