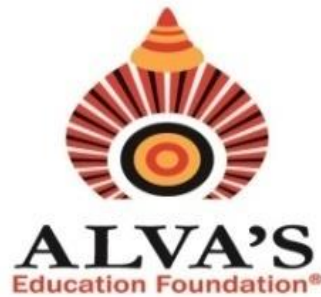# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

SHOBHAVANA CAMPUS, MIJAR – 574225, MOODBIDRI

DAKSHINA KANNADA KARNATAKA, INDIA

Department of Mechanical Engineering

CERTIFICATION COURSE

On

"Computer Aided Design and Drafting Course"

For the Academic Year

2020-21

Date: 05 – 03 - 2021

APPROVAL LETTER

To,

The Principal,

AIET, Moodbidri

Respected Sir,

Sub: - Approval for Organizing the Students Certification/Training Program on "COMPUTER AIDED DESIGN AND DRAFTING COURSE"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planning to host a **Five day's** Student Training Program/ hands on workshop on **"COMPUTER AIDED DESIGN AND DRAFTING"** from **"11 March 2021"** to **15 March 2021"**.

Kindly consider the above request and approve the same for further proceedings.

Thanking you Sir.

Coordinator:

Mr. Hemanth S

Head of the Department:

Principal:
PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

Place: AIET, Moodbidri.

Date: 05 - 03- 2021

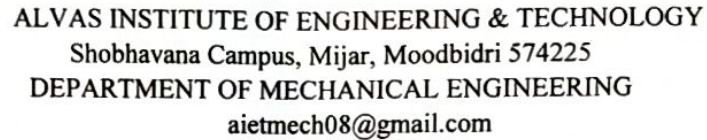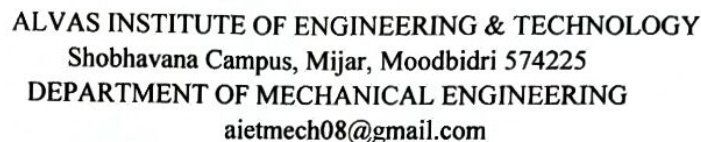# CIRCULAR

All the students are hereby informed that there is a certification course on **COMPUTER AIDED DESIGN AND DRAFTING** which is scheduled from **"11 March 2021 to 15 March 2021"**, which is conducted by Mr. Gopal Krishna U B & Mr. Surersh P S at AIET, Dept of mechanical engineering, moodbidri. Interested students kindly register your names on or before 08.03.2021.

Head of the Department:

Students attendence Workshop Program on "COMPUTER AIDED DESIGN AND DRAFTING" from 11 March 2021 to 15 March 2021

SL.NO	USN No.	Name of the Student	11/3/21/				12/3/21/				13/3/21/				14/3/21/				15/3/21/			
1	4AL18ME009	Chiranth p	P	P	a	P	P	P	P	a	P	P	P	P	P	P	P	P	P	P	P	P
2	4AL18ME018	Karthik	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	4AL18ME020	Kundar Bhushan R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	4AL18ME025	Nishanth	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	4AL18ME032	Vyshnav S B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	4AL18ME033	Yashwanth k	P	P	P	a	P	P	P	P	P	P	P	P	a	P	P	P	P	P	P	P
7	4AL19ME002	Abhishek Vinod	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	4AL19ME003	Ajay Kumar J	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	4AL19ME004	Aromal A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	4AL19ME005	Bhoomika K R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	4AL19ME006	Christon lloyd pinto	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	4AL19ME007	D Jay Kumar	P	a	P	P	P	a	P	P	P	P	P	P	P	P	a	P	P	P	P	P
13	4AL19ME008	Denil Paul	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	4AL19ME009	Dinesh KAMALAKAR Naik	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	4AL19ME010	Gurukiran	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	4AL19ME011	KETAN ARJUN KARANDE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	4AL19ME012	Likhith S Shetty	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	4AL19ME013	Manoj Kumar A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	4AL19ME014	Mohan Gowda	P	a	P	P	P	a	P	P	P	P	a	P	P	P	P	P	P	P	P	P
20	4AL19ME015	Nandana M Hegde	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	4AL19ME016	Naveen Bilagi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	4AL19ME017	Nikhil Gowda T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	4AL19ME018	Nikhil M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	4AL19ME019	Prajwal R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	4AL19ME020	Praveen Talwar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	4AL19ME021	Prithviraj H K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri 574225
DEPARTMENT OF MECHANICAL ENGINEERING
aietmech08@gmail.com

Students attendence Workshop Program on "COMPUTER AIDED DESIGN AND DRAFTING" from 11 March 2021 to 15 March 2021

SL.NO	USN No.	Name of the Student	11/3/21/				12/3/21/				13/3/21/				14/3/21/				15/3/21/			
27	4AL19ME022	R Goutham Gowda	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	4AL19ME023	Rahul	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	4AL19ME024	Rakesh S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	4AL19ME025	Sameer	P	P	P	P	P	P	P	a	P	P	P	P	P	P	P	P	P	P	P	P
31	4AL19ME026	Satwik Vigneshwar Gunaga	P	P	P	a	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	4AL19ME027	SHARANYA SHETTY	P	P	P	P	P	P	P	P	P	P	a	P	P	P	P	P	P	P	P	P
33	4AL19ME028	Srishail S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	4AL19ME029	Tejasgowda M	P	P	a	P	P	P	P	P	a	P	P	P	a	P	P	P	a	P	P	P
35	4AL19ME030	Umarfarooq Khanshired	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	4AL19ME031	Venkata Shiva Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	4AL19ME032	Vishnu V N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	4AL19ME033	Devam Manish Vora	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	4AL19ME034	Yashaswini Ashok Melavanki	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	4AL19ME035	Yathin	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	4AL19ME036	karthik r ashok m. k	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	4AL19ME037	Chethan U N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43	4AL19ME700	Bhoomika B J	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
44	4AL20ME400	Divakara Shettigar	P	P	P	P	a	P	P	P	P	P	a	P	P	P	P	a	P	P	P	P
45	4AL20ME401	Lohith Arkachali	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	4AL20ME402	Pavan Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
47	4AL17ME015	Bharath B D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
48	4AL17ME029	Mahantesh	P	P	P	a	P	P	P	P	P	P	P	a	P	a	P	P	P	P	P	P
49	4AL18ME001	Amith Kumar B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50	4AL18ME002	Annapurna V Patil	P	P	P	P	P	P	P	P	F	P	P	P	P	P	P	P	P	P	P	P
51	4AL18ME003	Arun Kumar P G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri – 574 225
Phone: 08258-262725   Fax: 08258-262726

DEPARTMENT OF MECHANICAL ENGINEERING

FEEDBACK FORM

Five days Students Training Program
On

"Computer Aided Design and Drafting"

For the following areas, please indicate your rating from 1 to 5:
1=strongly Disagree 2=Disagree 3=neither agree nor disagree 4=Agree 5=strongly Agree

SN	Topics	1	2	3	4	5
A.	**Content**					
1	Understood the basics of Computer Aided Design and Drafting					✔
2	Understood the fundamental Sketching					✔
3	Able to apply the Computer Aided Design and Drafting techniques for the problems at the hand.					✔
4	Understood the fundamentals of Computer Aided Design and Drafting.				✔	
5	Able to write effective Sketching				✔	
B	**Presentation**					
6	Instructor's knowledge				✔	
7	Instructor's presentation style				✔	
8	Instructor covered material clearly				✔	
9	Instructor responded well to questions					✔
10	Instructor facilitated interactions among participants well					✔

C. How could this workshop be improved?

— NO —

D. Any other comments or suggestions?

— No —

E. Overall, how would you rate this workshop?

	Good
Poor	
✔ Neither Good Nor Poor	Excellent

Please return this form to the instructor or organizer at the end of the workshop. Thank you

Quiz on Computer Aided Design and drafting course

1. Which of the following is most likely to be an application of two-dimensional CAD modeling?
   a. Car parts
   b. Floor plans
   c. Prosthetic limbs
   d. 3D printing

2. Which of these is a CAD software program?
   a. FreeCAD
   b. AutoCAD
   c. 3DS Max
   d. All answers are correct

3. Using the Relative Polar Coordinate System to add a 3 inch line that is 45 degrees from the end point of the line created above the drafter would _____.
   A. type @3<45 and enter
   B. type 3 back slash and enter
   C. type 3 forward slash and enter
   D. type 3 and try to use the Dynamic Input readout to find the end point

4. A line with a tapering width can be easily created by using the _____ tool.
   A. circle
   B. eclipse
   C. line
   D. polyline

5. Understanding the Cartesian coordinate system will help the beginning drafter _____.
   A. control the accuracy of the drawing
   B. produce a visible grid system
   C. select a different text style

D. choose various line types

6. The UCS icon represents the intersection of the _____.
   A. X axis
   B. Y axis
   C. Z axis
   D. All of the above

7. When using the direct entry method to create a horizontal line exactly three inches long the drafter should _____ first.
   A. pull the line from away from the starting point very carefully
   B. insure that Ortho is on
   C. enter 3 for the length of the line
   D. read the coordinate position on the Dynamic Readout

8. One quick way to view the entire drawing area is to use the Zoom command by typing _____.
   A. type Z enter A enter
   B. type Z enter E enter
   C. type SHOWALL enter
   D. type ALL enter.

9. When setting up a mechanical drawing in AutoCAD the drafter should set the units to _____.
   A. fractional
   B. decimal
   C. architectural
   D. metric

Quiz on Computer Aided Design and drafting course

10. When drawing a line using the relative coordinate system a line is created from _____.
A.   0,0
B.   the ending point of the last line
C.   the beginning point of the last line
D.   none of the above

11. what does WCS stand for?
a. Western CAD system
b. Worldwide coordinate sectors
c. world coordinate system
d. wrong CAD setting

12. Status bar do not contain
a. snap; b. grid; c. erase; d. polar

13. coordinates for the current position of crosshair of the cursor is seen in
a. menu bar; b. Standard toolbar c. properties toolbar d. status bar

14. Units command of autocad is not used to set
a. Units for linear measurement
b. units for angular measurement
c. limits of drawing
d. direction in which angle is to be measured

15. polar coordinates are used mostly for drawing
a. circles
b. arcs
c. vertical lines
d. angled lines

16. the number of points needed to draw a line using absolute coordinates is
a. None; b. one; c. two; d. four

17. which one is not a valid option of units command?
a. Architectural b. Decimal c. Meter d. Metric

18. 2-point option is used to draw circles by specifying the
a. two end points of a diameter
b. two end points of a radius
c. radius and tangent to two objects
d. center and two end points of a chord

19. objects are rotated around the
a. Base point
b. bottom right of the object
c. centre of the object
d. origin

20. offset command can be used for drawing
a. infinite long lines
b. parallel lines
c. intersecting lines
d. perpendicular bisectors

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MOODBIDRI

A Unit of Alva's Education Foundation®
(Affiliated to VTU, Belagavi and Approved by A.I.C.T.E., New Delhi)
Shobhavana Campus, Mijar, Moodbidri DK Karnataka-574225

DEPARTMENT MECHANICAL ENGINEERING

Certificate

This is to certify that Mr./Ms.............................bearing the USN .... from .... has attended the Students Workshop Program on "COMPUTER AIDED DESIGN AND DRAFTING" from 11 March 2021 to 15 March 2021

Mr. Hemanth S
Coordinator

Head of the Department
Mechanical Engineering

Dr. Peter Fernandes
Principal
AIET Moodbidri

DEPARTMENT OF MECHANICAL ENGINEERING

Report on Computer Aided Design and Drafting

The department of ME conducted a Five Days hands on students training program for the students of ME from 11-01-2015 to 15-01-2015 on "Computer Aided Design and Drafting" at AIET Moodbidri.

Mr. Gopal Krishna U B & Mr. Raghavendra B, Department of Mechanical Engineering AIET, Moodbidri delivered a comprehensive and in depth information about the Fundamentals of Computer Aided Design and Drafting & its Principles, Techniques, Applications. Participants have enthusiastically participated and learnt the application building.

Photo