OFFICE OF THE REGISTRAR

DIT UNIVERSITY
IMAGINE ASPIRE ACHIEVE

Ref.REG/14/053/06/2021/050 09/06/2021

NOTICE

Subject: Schedule for Technical Training – AUTOCAD

Attention: Students of B.Tech ME, ME-AE, CE & PE 4th Semester

Above students are hereby informed that the Technical Training – AUTOCAD will be held **from 15 June 2021 to 05 August 2021** for the students of **B.Tech ME, ME-AE, CE & PE 4th Semester.**

NOTE:
1. It is mandatory for all the students of **B.Tech ME, ME-AE, CE & PE 4th Semester** to attend the same.
2. Detailed schedule for the same will be shared through the e-mail (outlook) shortly.

This is issued with the approval of the Competent Authority for information of all concerned.

Registrar
(Officiating)

To:
- All HoDs – to disseminate among students
- Head CDC

Copy to:
- Hon'ble Chairman
- Hon'ble Chancellor
- Hon'ble Vice Chancellor — For information please
- Hon'ble Pro Vice Chancellor
- All Directors' / Deans' / HoDs

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Technical Training-AUTOCAD for B.Tech-CE/ME/EE/ECE/PE Students

Course: -B.Tech- ME,ME-AE,CE & PE-2nd Year

Venue:- Online Training on MS Team

Organized By- Cetpa Infotech Pvt. Ltd.

Date:- From 15th June **to** 5th August 2021

Duration:-80 Hrs.

Timings:- 2 Hours/Day

Organized By: Career Development Centre, DIT University

Conducted By: External Agency (CETPA Infotech Pvt. Ltd.)

Who Uses AutoCAD and Why Is It Important?

In the old days, the only way that engineers and architects could illustrate their ideas was if they drew them out by hand. These days, pen and paper have been replaced by computers and design software like AutoCAD. With digital designs, those ideas are brought to life much faster and more efficiently. So who uses AutoCAD and why is it important? Maybe you! And here are just a few reasons it's so important.

What Is AutoCAD?

AutoCAD is a computer-aided design software developed by the company Autodesk (hence the name AutoCAD). It allows the user to draw and edit digital 2D and 3D designs more quickly and easily than user could by hand. The files can also be easily saved and stored in the cloud, so they be accessed anywhere at any time. Here are a few other benefits of AutoCAD:

Easy Edits: Before the age of computers, a designer would have to manually revise designs. You would have to create an entirely new draft or edit the draft you had, which could become messy and difficult to interpret. With AutoCAD, you can easily change and manipulate designs.

Faster Production: You can create a re-useable block library to replicate design parts. Got a window system that works well? Use it again. A manufacturing component that you'll need over and over. Save it to your block library to increase efficiencies. Saved files can be used and re-used later, which makes the design process faster than if you did it by hand.

Better Accuracy: You can only draw something so small by hand, but AutoCAD allows you to design down to fractions. This creates a more accurate design in all dimensions.

Once your design is created, you can feed into a 3D printer or a machine for a prototype to be created. Or the measurements from the drawing can be used to create parts of something that can be built such as a building or house.

Who Uses AutoCAD?

As a CAD Drafter, you could use AutoCAD across a variety of industries. In mechanical engineering, you might use it to create manufacturing processes as well as to design motor parts, robots, and other innovative objects.

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In electrical engineering, you might use it to map out electrical systems, and in civil engineering, you might use it as you help to design bridges and roads. Here are other professionals who use AutoCAD:

Architects: AutoCAD is often used to create blueprints and floor plans for houses and commercial buildings. It also comes with built-in tools that can analyze and remedy weaknesses in a building's design.

Interior Designers: Similarly, AutoCAD can be used to imagine the interior of a building, whether it's an eating space for a restaurant or a living space in a home.

Fine Artists: The abilities of AutoCAD are so wide ranging that even artists use it to draft sculptures, wood carvings, engravings, and experimental art pieces.

Training Outcome: At the end of the training the students will be able to understand:

- The students are able to Easily change or manipulate the design.
- AutoCAD allows the students to design down to fractions. This creates a more accurate design in all dimensions. Now after the training, the students are able to do so.
- The students are able to draw and edit 2D and 3D designs easily.

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SERVICE PO

To,
CETPA Infotech Pvt Ltd
105, Mohit Vihar, GMS Road,
DEHRADUN - 248001
Uttarakhand
Contact Details:
Mobile No: 0135 6006070
Email:surajsingh@cetpainfotech.com

Service PO No :	4900007425
Service PO Date :	08.06.2021
Vendor Ref. :	
Vendor Code :	100695

AutoCAD Software Training For 2nd Year (Batch 2019-2023)

Dear Sir,

With reference to your Proposal and subsequent discussions, we are pleased to place the Service Order for conducting undermentioned Training Program as per given schedule, subject to the terms and conditions, mentioned below:

SNo	Description of the Items with Specifications	Unit	Qty	Rate Per Unit	Discount %	Amount in Discount	Amount (INR)
1--AutoCAD Software Training							
1	AutoCAD 2nd Yr (Batch 2019-2023)-Civil ,Mechanical, Mechanical-AE and Petroleum Engineering students.	stu	100.000	700.00	0.00	0.00	70,000.00
Sub Total:							70,000.00
						Sub Total	70,000.00
Add:TAX @ GST 18%on SNo -1							12600.00
						Total	82,600.00

Please acknowledge receipt and return duplicate copy duly signed.

Terms & Conditions:

1 . General Terms
   a. Online web support will be provided to the students by the vendor.
   b. All documents of attendance, evaluation sheet etc submitted by vendors should be verified by HoDs.
   c. Actual strength section wise, year wise will be confirmed later.
   d. Training will start as per the schedule given by the University.
   e. Timings for classes would be determined by the DIT University. Timings once decided must be abided by M/s CETPA Infotech Pvt Ltd. DIT University reserves the right to reschedule the timings of the Class.
   f. If the scheduled date of training is declared a holiday due to any reason, the scheduled/ remaining training will be done on the next working days or dates as decided by DIT University.
   g. Before starting the training, M/s CETPA Infotech Pvt Ltd will forward the profile of trainers with photocopies of their educational & professional certificates and in case the profile is not found suitable, DIT University reserves the right to have the trainer replaced.
   h. Proper deployment of trainers is the responsibility of the agency.
   i. It is understood that best teachers would be provided for conduct of program at DIT. In case any of the teacher is found to be lacking in any way, immediate action to replace the teacher will be initiated by M/s CETPA Infotech Pvt Ltd.
   j. All the Invoices must be submitted at Central Bill Processing Desk of the University.
   k. Invoice must contain Service Order Number, date and copy of packing list.

2 . Delivery Terms
   a. Training starts from 15th June and will end on 5th August.
   b. The training will be 2 hours per day.
   c. No. of Students are as follows-
   i. B.Tech (CE-2nd Year)- 43 (Approx)
   ii. B.Tech (ME & ME-AE 2nd Year)- 63 (Approx)

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CETPA INFOTECH PVT. LTD.
CURRICULUM OF AutoCAD

AutoCAD Essentials

TAKING THE AUTOCAD TOUR

- Starting AutoCAD
- Drawing Area
- Command Window
- Status Bar
- Starting New Drawing
- Dynamic Input Mode
- Creating And Managing Workspace

GETTING STARTED WITH AUTOCAD

- Coordinate Systems
- Drawing Lines & Circles
- Erasing Object
- Canceling & Undoing A Command
- Inputting Data
- Creating Basic Objects
- Using Object Snaps
- Using Polar Tracking And Polar Snap
- Using Object Snap Tracking
- Working With Units

MODIFYING OBJECTS

- Selecting Objects In The Drawing
- Changing An Object's Position
- Creating New Objects From Existing Objects
- Changing The Angle Of An Object's Position
- Creating A Mirror Image Of Existing Objects
- Creating Object Patterns
- Changing An Object's Size

CREATING ADDITIONAL

- Drawing Objects
- Working With Polylines
- Creating Splines
- Creating Ellipses
- Using Tables

ALTERING OBJECTS

- Trimming And Extending
- Objects To Defined Boundaries
- Creating Parallel And Offset Geometry
- Joining Objects
- Breaking An Object Into Two Objects
- Applying A Radius Corner To Two Objects
- Creating An Angled Corner Between Two Objects
- Changing Part Of An Object's Shape

HATCHING & GRADIENTS

- Use Hatching/Gradients
- Create Annotative Hatch/Gradients
- Editing Hatch/Gradients Patterns
- Editing Hatch/Gradients Boundary
- Other Features Of Hatching/Gradients

DRAWING ORGANIZATION AND INQUIRY COMMANDS

- Using Layers
- Changing Object's Properties
- Matching Object's Properties
- Using The Properties Palette
- Using Linetypes
- Using Inquiry Commands

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AutoCAD Intermediate training Course

DRAWING OBJECTS

- Creating And Editing Multilines
- Creating Revision Clouds
- Regions

MANIPULATING OBJECTS AND DATA

- Selecting Objects With Quick Select
- Purging Objects
- Working With Point Objects
- Dividing And Measuring Objects

DIMENSIONING

- Introduction To Dimensioning
- Basic Dimensioning

ISOMETRIC DRAWINGS

- Changing The Workspace For Isometric Drawings
- Rules Of Isometric Drawings
- Working In Isometric Dwarings
- Isometric Projections
- Isometric Axes & Planes
- Setting The Isometric Grid & Snap

AutoCAD 3D Training Course

INTRODUCTION TO 3D

- Introduction to 3D Modeling
- Creating & Managing the Workspace
- Navigating in Working Environment
- Types of 3D Models
- Working In 3D
- 3D Coordinate System
- Modifying Visual Styles of Solid

CREATING 3D DESIGNS

- Inputting Data
- Introduction to Free-Form Designs
- Creating Wireframes & Surface Designs
- Creating 3D-Volumetric Designs
- Working with Pre-defined Solid Primitives
- Manipulating/Modifying 3D Profiles & Models
- Creating Composite models
- Filleting & Chamfering Solid models
- Using Booleans on Solid Models
- Use of Productivity Tools

RENDERING

- Concept of Rendering
- Selecting & attaching Materials
- Creating New Materials

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Annexure - II

Value added course Details (Academic Year: 2021-22)

VAT Course Name: AUTO CAD Technical Training

VAT Code: VAT 83

Duration in Hours: 80

Number of Students Enrolled: 115

Number of Students Completed: 95

Grades:	G= GOOD ; S = Satifactory ; P = Poor ; W = Withdraw			
Student ID	Student Name	Program/Course	Year	Passing Grade
200101904	A.G. JOHN POLE CHAKMA	BTCE	2nd Year	S
190106007	AAKASHDEEP SINGH	BTME	2nd Year	S
190101003	AAYUSH NATH	BTCE	2nd Year	P
190101007	AAYUSHI ANAND	BTCE	2nd Year	S
190101027	ABDUL RAFEY	BTCE	2nd Year	S
190113004	ABHAY ARORA	BTME-AE	2nd Year	S
190101016	ABHINAV SARASWAT	BTCE	2nd Year	S
190101006	ABHINAV SHUKLA	BTCE	2nd Year	G
200101900	ABHISHEK RANA	BTCE	2nd Year	S
190106025	ADITYA KUMAR MISHRA	BTME	2nd Year	S
190101041	AJAY KUMAR YADAV	BTCE	2nd Year	S
200101905	AKARSH KAINTURA	BTCE	2nd Year	G
200106911	AKARSH TYAGI	BTME	2nd Year	S
190106046	AKSAJ SHARMA	BTME	2nd Year	S
190101020	AMEESHA UPADHYAY	BTCE	2nd Year	S
190113008	ANIKET NEGI	BTME-AE	2nd Year	S
190101037	ANIL TAMANG	BTCE	2nd Year	S
190113006	ANKIT KHADKA MAGAR	BTME-AE	2nd Year	S
190101024	ANKUR RANA	BTCE	2nd Year	S
190101010	ANMOL SHARMA	BTCE	2nd Year	S
190101040	APARNA DEO	BTCE	2nd Year	S
200106910	ARIJIT KAR	BTME	2nd Year	P
190106017	ARYAMAN SINGH	BTME	2nd Year	S
190106029	ASHISH ARIDA	BTME	2nd Year	G
180106045	ATHARV TIWARI	BTME	2nd Year	G
190101022	AVINASH KUMAR PANDEY	BTCE	2nd Year	S
190101005	AYUSH DWIVEDI	BTCE	2nd Year	P
190106015	AYUSH KUMAR SHARMA	BTME	2nd Year	S
200106905	BASHAR ALI	BTME	2nd Year	S
190113013	DEEPAK JOSHI	BTME-AE	2nd Year	G
190113012	DEEPAK SINGH	BTME-AE	2nd Year	P
190106016	DEEVANSH PRATAP SINGH	BTME	2nd Year	S
190101035	DHEERAJ SINGH	BTCE	2nd Year	S
190101026	DIGYANSHU PALIWAL	BTCE	2nd Year	S
190106014	DIVYANSHU RAWAL	BTME	2nd Year	S
190107007	FARHAN HAIDAR	BTPE	2nd Year	P
200106906	FARMAAN KHAN	BTME	2nd Year	G
190101023	FAYQUE HASAN JAMALI	BTCE	2nd Year	S
200106930	GARIMA SINGH	BTME	2nd Year	P
190106021	GAUTAM DARIYAL	BTME	2nd Year	G

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190106008	HAMMAD NAIAR	BTME	2nd Year	G
190113009	HARSH CHAUHAN	BTME-AE	2nd Year	P
200106908	HARSH JOSHI	BTME	2nd Year	S
190113003	HARSH UPADHYAY	BTME-AE	2nd Year	G
190101012	HASHIR ANSARI	BTCE	2nd Year	S
190101004	HRITHIK RAJ PATEL	BTCE	2nd Year	P
190106002	ISHANN AGARWAL	BTME	2nd Year	G
190113007	ISHANT CHAUHAN	BTME-AE	2nd Year	G
190107002	KAKULI JHA	BTPE	2nd Year	S
190101019	KAMYA RASTOGI	BTCE	2nd Year	P
190113010	KARAN BISHT	BTME-AE	2nd Year	S
190106011	KARTHIKEY SINGH	BTME	2nd Year	S
200106904	KUMAR GAURAV	BTME	2nd Year	S
200106909	KUNAL BHARGAVA	BTME	2nd Year	S
190107006	LAKSHAY GUPTA	BTPE	2nd Year	G
190106027	LOMNESH PAL	BTME	2nd Year	G
190101015	MADHUMITA MISHRA	BTCE	2nd Year	S
190106001	MALYAJ DWIVEDI	BTME	2nd Year	S
190106043	MANU SHARMA	BTME	2nd Year	S
190106031	MAYANK KUMAR	BTME	2nd Year	S
190106023	MAYANK RAWAT	BTME	2nd Year	P
200113902	MOHD RAHID	BTME-AE	2nd Year	S
200107900	MOHD MONIS KHAN	BTPE	2nd Year	S
190101002	MOHIT SINGH GHUGTAYAL	BTCE	2nd Year	G
190106004	NIBHAN HASNAIN	BTME	2nd Year	S
200107901	NIKHIL RAJU	BTPE	2nd Year	P
190101025	NIKHILESH NEGI	BTCE	2nd Year	G
200106901	NITIN DARMORA	BTME	2nd Year	G
200106920	PARIVESH MAURIYA	BTME	2nd Year	S
190106022	PARTH SINGH	BTME	2nd Year	G
200106931	PIYUSH VERMA	BTME	2nd Year	P
190106028	PRABAL KANOJIA	BTME	2nd Year	G
190106009	PRAGATI SAJWAN	BTME	2nd Year	S
190106018	PRAKHAR GUPTA	BTME	2nd Year	S
200101910	PRANAV VASHISTHA	BTCE	2nd Year	S
190101011	PRASHANT RANA	BTCE	2nd Year	G
190106005	PRATEEK SHARMA	BTME	2nd Year	G
190106006	PRATHAM SINGH GANGOLA	BTME	2nd Year	S
190101033	PRIYA SHARMA	BTCE	2nd Year	P
190101013	PRIYA RAMESH SINGH	BTCE	2nd Year	G
181074001	RAGHAV BAHUGUNA	Physics	2nd Year	S
200101903	RAGHAV SHARMA	BTCE	2nd Year	S
190101008	RAHUL RANJAN	BTCE	2nd Year	S
200101901	RAJESH SINGH	BTCE	2nd Year	G
190101014	RAVI RANJAN SINGH	BTCE	2nd Year	S
190101018	RIA BISHT	BTCE	2nd Year	S
190101017	ROBIN KUMAR	BTCE	2nd Year	P
190106042	ROHIT SINGH BISHT	BTME	2nd Year	S
190107008	SAHIL GUPTA	BTPE	2nd Year	S
190101039	SANTOSH RANENI	BTCE	2nd Year	S
190106045	SHARAD PANDEY	BTME	2nd Year	S
190106019	SHASHWAT PRATAP SINGH	BTME	2nd Year	P
190101031	SHAYNA LAKHNOTRA	BTCE	2nd Year	S
180101033	SHOEB MALIK	BTCE	2nd Year	S
200101902	SUMIT PANWAR	BTCE	2nd Year	S
180106026	SUMIT SINGH	BTME	2nd Year	P
200106907	TEJASVI KUMAR	BTME	2nd Year	S
190106044	THAKUR PRASAD K.C	BTME	2nd Year	S

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190106030	UPENDRA SINGH SOLANKI	BTME	2nd Year	S
190106012	UTKARSH SINGH	BTME	2nd Year	S
190101038	UTKARSH TYAGI	BTCE	2nd Year	S
190113001	VAIBHAV CHOUDHARY	BTME-AE	2nd Year	S
190106032	VAIBHAV JOSHI	BTME	2nd Year	P
190107009	VANSAJ MATHUR	BTPE	2nd Year	S
190106010	VIBHOR DIMRI	BTME	2nd Year	S
200106900	VIDHAN NAITHANI	BTME	2nd Year	P
190101021	VISHAL CHAUDHARY	BTCE	2nd Year	S
190107003	VISHAL SINGH	BTPE	2nd Year	G
190113011	VISHAL TAMTA	BTME-AE	2nd Year	P
190101009	VISHESH SRIVASTAVA	BTCE	2nd Year	S
190113005	VIVEK SINGH	BTME-AE	2nd Year	S
200113900	WAQUAR AHMAD	BTME-AE	2nd Year	S
190101001	YUVIKA SINGH	BTCE	2nd Year	P
190113002	YUVRAJ BISHT	BTME-AE	2nd Year	G
200113901	ZUHER AHMAD	BTME-AE	2nd Year	G