Student Training Program

Program

Auto-CAD & Google

Sketch-UP

2019-20

Permission for Student Training Program

Department: Civil Engineering
Class:

Semester: I

Academic Year: 2019-20
Date: 29 /10/2020

To,

Head of Department,

Civil Engineering Department

ZCOER, Pune

Subject: Permission for scheduling, Student Training Program.

Respected Sir,

The Civil Engineering Department is planning to schedule an in-house "Student Training Program" for the students, to enhance their skills of Auto-CAD & Google Sketch up software. The sessions will be conducted by Prof. A. V. Wakchaure from 02nd November to 06th November 2020. Hence, I would request you to give permission for conduction of the above mentioned session.

Session In-charge

Dept of Civil Engineering
ZEAL College of
Engineering & Research
Narhe, Pune-411 041

Academic Coordinator

Civil Engineering Department

Academic Coordinator
Department of Civil Engineering
Zeal College of Engineering & Research
Narhe, Pune-411041

Head

Civil Engineering Department

HOD
Dept of Civil Engineering
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411 041

PU/PN/Engg./
285/2007

ZES's Zeal College of Engineering & Research
Narhe, Pune-41

Module-wise Plan
AutoCAD (Duration- 2 Hours/ Session)

Session1	• IntroductiontoEngineeringDrawings • IntroductiontoAutoCAD • ExploringGUI • ExploringtheRibbon • Drawingsimplesketchesusing various shapes • DynamicInput,OrthoMode • Understandingunits • Workingwith&ModifyingObjectSnapSettings • LearntoCreateaBasicHouseSketch • TypesofSelectioninAutoCAD(Green/Blue) • LearningtheModificationcommands
Session2 & 3	• Learning to Create a 2D Bungalow Plan using the previously LearntCommands • Measuringdistancebetween2pointsinAutoCAD • Learningtocreatedoors&windowsinPlanusingmodificationtools.

Session4	• WritingTextinAutoCAD
	  o SingleLineTe
	    xt
	  o MultilineText
	• LearningtowritespecialcharactersinAutoCAD
	• ModifyingtheTextStyle(Font,Height,RotationAngle)
	• De-MystifyingtheScaleoftheDrawing

Session5	• DimensioningthePlaninAutoCAD
	  o LinearDimension
	  o AlignedDimension
	  o RadialDimension
	  o AngularDimension
	  o ContinuousDimension
	• ModifyingtheDimensioning.
	  o DimensionLines,ExtensionLines
	  o Symbols&Arrows
	  o Text(appearance,placement,alignment)
	  o Fitoptions
	  o PrimaryUnits
	  o AlternateUnits

Session6	• WorkingwithBlocks
	  o CreatingBlocks
	  o InsertingBlocks
	  o ModifyingBlocks
	• Divide&Measure
	• MergingBlockswithDivide&Measure.

Session7	• Different Types of Lines in AutoCAD. • Drafting using Polylines • Drafting using Splines • Joining multiple Lines • Creating Boundary • Calculating Area in AutoCAD • Adding Area of different Objects in AutoCAD
Session8	• Inserting Raster Image • Working along with Raster Image • Using PDF underlay • Finding Area in AutoCAD using PDF file. • Exploring "Options" in AutoCAD • General GUI Modifications • Password protecting your AutoCAD file • Recover Deleted Drawings • Changing Background Color • Changing Crosshair size, Aperture Size • Converting and Saving AutoCAD file from Higher version to Lower version

Session9	• Working with Layers in AutoCAD
	  o Creating new Layers
	  o Modifying Layers
	• Applying Layers to Existing Drawing

Session10	• Beautification of a Plan by Hatching • Different Types of Hatching • Exploring the multiple options inside Hatching command
Session11	• Learning about Page sizes • Plotting a Drawing in AutoCAD • Printing • Printing options • Converting AutoCAD to PDF • Converting AutoCAD file to Image file
Session12	• Revision Cloud • Creating a Table in AutoCAD • Modifying Table & its properties • Reducing .dwg file size • Writing Arc Aligned Text • Program Parameters • Selecting specific objects in a drawing using Filter.
Session13	• AutoCAD 3D introduction • Knowing all the 3D Views & Visual Styles • Drawing 3D Models (Box, Cylinder, Cone etc.) • Modifying 3D Objects using Boolean Geometry • Pan & Orbit • Extrude command
Session14	• Creating 3D model of a building • Understanding & Changing the UCS in AutoCAD according to our need

Session15	- Rotate3D - Mirror3D - Revolve - Taper - Press pull - Sweep

Department of Civil Engineering

Notice

Department: Civil Engineering   **Semester: I**   **Academic Year: 2019-20**

Class: SE/TE   **Date: 29/10/2020**

All the students of SE and T.E Civil are here by informed that student training program of Auto-CAD and Google Sketch-UP is arranged from 02/11/2020 to 06/11/2020 from 09:30 AM onwards.

Interested students should enroll your names on or before 31/10/2022 to Prof. A. V. Wakchaure.

Coordinator

Dept of Civil Engineering
ZES College of
Engineering & Research
Narhe, Pune-411 041

Academic Coordinator

Department of Civil Engineering

Academic Coordinator
Department of Civil Engineering
Zeal College of Engineering & Research
Narhe, Pune-411041

Head

Department of Civil Engineering

HOD
Dept of Civil Engineering
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411 041

PU/PN/Engg./
285/2007
Narhe, Pune-41

85

ZEAL COLLEGE OF ENGINEERING & RESEARCH, PUNE

Department Of Civil Engineering

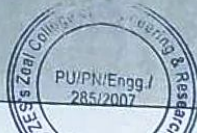### "Student Training Program"

Auto-CAD and Google Sketch-Up

SCHEDULE

DATE	TIME	DURATION
02nd November to 06th November 2020	9:30 AM – 5:00 PM	2 Hours / Session

Session Expert - A. V. Wakchaure

Certificate will be issued to the participant with 100% attendance only

Prof. A. V .Wakchaure
Overall Coordinator

PU/PN/Engg./
285/2007

Dr. G. S. Anaokar
Head-CED

86

Date: 08/11/2020

Training Session Report

Department: Civil Engineering   Academic Year: 2019-20   Semester: I

To,

Head of the Department,

Subject: Submission of Auto Cad & Google Sketch up training reportfor Year 2019-2020

Respected Sir,

I am submitting the report of Auto Cad & Google Sketch up training report conducted on 02/11/2020 to 06/11/2020. I request you to note the activities and observations during session conduction.

Auto Cad & Google Sketch up training started at 09.30 PM with a welcome note given by Prof. A. V. Wakchaure. Total 25 students of Civil Department were present.

Activity 1: Prof. A. V. Wakchaure introduced about Auto Cad & Google Sketch up software topic to all students.

Activity 2: Prof. A. V. Wakchaure started the session with introduction of the software on day 1, on day 2 Wakchaure sir described about tools then on the 3rd day trainer explained about utility of the software and on the last day applications of the software in Civil Engineering.

Activity 3: On the last day sir announced a practice test based on application of Auto Cad & Google Sketch up software.

Activity 4: The session concluded after vote of thanks given by Prof. A. V. Wakchaure.

Course Coordinator	**Academic Coordinator**	**Head**
CED	**CED**	**CED**

Dept of Civil Engineering
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411 041

Academic Coordinator
Department of Civil Engineering
Zeal College of Engineering & Research
Narhe, Pune-411041

HOD
Dept of Civil Engineering
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411 041

PU/PN/Engg./
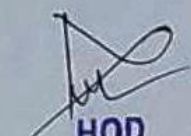285/2007
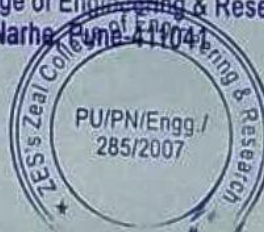
Zeal Education Society's
Zeal College of Engineering and Research, Narhe, Pune-41
Department of Civil Engineering
Student Training Program
Auto-CAD & Google Sketch-UP 2019-20

Sr.No.	Roll No.	Name of Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		SESSION / Date	2/11	2/11	2/11	3/11	3/11	3/11	4/11	4/11	4/11	5/11	5/11	5/11	6/11	6/11	6/11
1	S111002	BANKAR SAKSHI SANJAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	S111005	BHUJBAL ANIKET DADA	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
3	S111007	CHARWAD PRATIK PRAKASH	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
4	S111008	CHAUDHARI MAHESH NILESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	S111009	CHAVAN NATHSINHA YUVRAJ	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	S111010	DESAI SUJAY LAXMAN	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
7	S111012	DEVKATE VISHAL TATTYASO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	S111023	JORE OMKAR VIJAYKUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	S111025	KAMBLE MONISH MOHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	S111026	KARKANDE SAHIL NATHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	S111027	KARLE RUSHIKESH VILAS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	S111028	KENJALE PRATHMESH VIJAY	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
13	S111029	KHOPADE PRITI DADASO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	S111030	KOLEKAR SOURABH SHAHAJI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	S111033	KUSHE TEJAS PRAKASH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	S111034	MANE PRATIK DEEPAK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	S111035	MUNDHE AMAR RAGHUNATH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	S111036	PASALKAR SAKSHI DATTATRAYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	S111037	PATEL MAHARSH ISHWARBHAI	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
20	S111039	PHATE SRUSHTI CHINTAMANI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	S111040	PODDAR MANOJ	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	S111041	POL ABHISHEK RAMLING	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	S111054	BORSE SUYASH YASHWANT	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
24	S111055	PULIRAJ VENKATESH NARSING	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	S111056	DEOKAR OMKAR MANOHAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

PU/PN/Engg./
285/2007
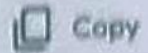ZES's Zeal College of Engineering & Research
Narhe, Pune-41

HOD
Dept of Civil Engineering
ZES's Zeal College of
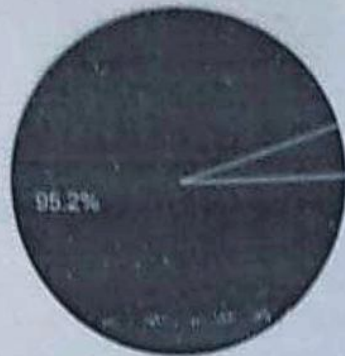Engineering & Research
Narhe, Pune-411 041

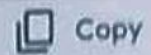# Student Training Program

21 responses

Publish analytics
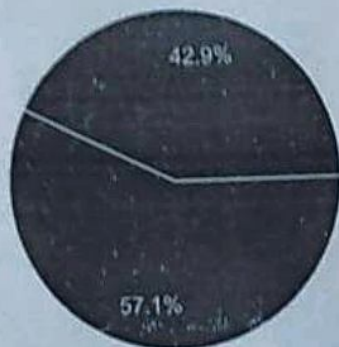
---

1. How would you rate the content of the session?

□ Copy

21 responses

- ● Excellent
- ● Very good
- ● Good
- ● Fair
- ● Poor

95.2%

---

2. How would you rate the knowledge of the guest for the session?
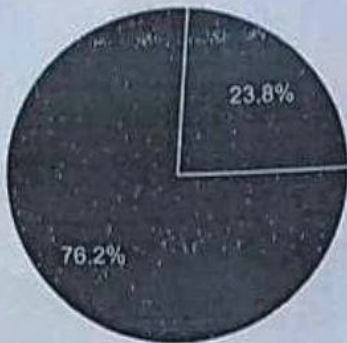
□ Copy

21 responses

- ● Excellent
- ● Very good
- ● Good
- ● Fair
- ● Poor

42.9%

57.1%

89

3. How would you rate the content delivery method of the guest for the session?

21 responses

- ● Excellent
- ● Very good
- ● Good
- ● Fair
- ● Poor

23.8%

76.2%

4. How would you rate the management of the session?

21 responses

- ● Excellent
- ● Very good
- ● Good
- ● Fair
- ● Poor

23.8%

76.2%
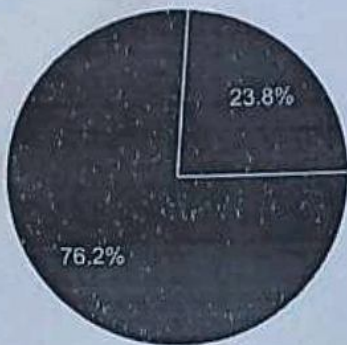
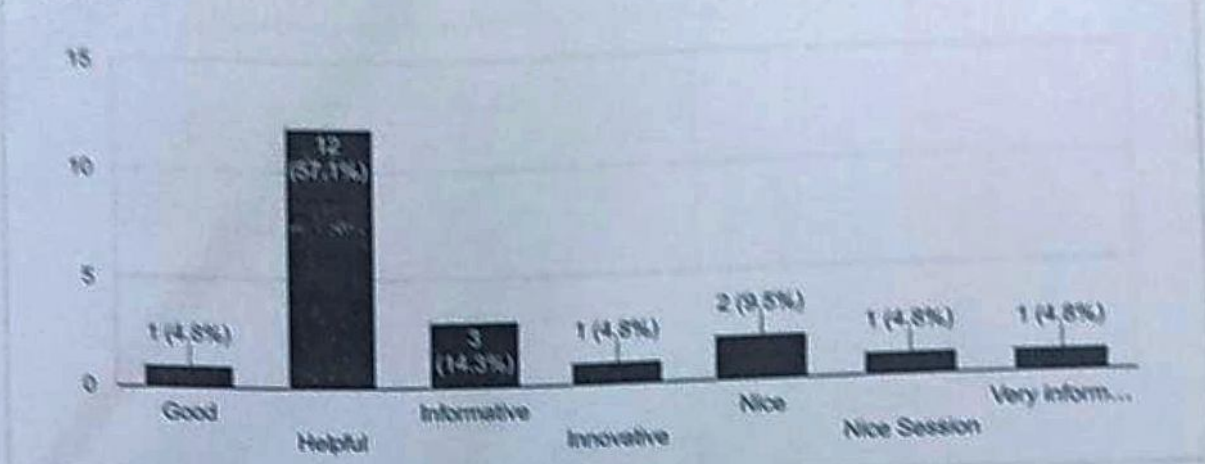5. Do you think the content of the session added to your knowledge?

21 responses

- ● Yes
- ● No

100%

//docs.google.com/forms/d/1Xi3Me865WPQrXpjyb_IwbNz2XjVRD7XzL78B0wpcZns/viewanalytics

90

6. What are your key take away from the session?

Copy

21 responses

Google Forms

Certificate

Zeal College of Engineering & Research, Pune
Department of Civil Engineering

This is to certify that, Mr./Ms./Mrs. _Phate Shrushti Chintamani_
has successfully completed a training program on Auto-CAD / Google Sketch-up at
Civil Engineering Department of Zeal College of Engineering & Research Pune,
During Academic Year 2019-20

Mr. A. V. Wakchaure
Course Coordinator

Dr. P. P. Walvekar
Head of Civil Department

Dr. A. M. Kate
Principal
ZCOER, Pune

Certificate

Zeal College of Engineering & Research, Pune
Department of Civil Engineering

This is to certify that. Mr./Ms./Mrs. _Kenjale Prathamesh Vijay_
has successfully completed a training program on Auto-CAD / Google Sketch-up at
Civil Engineering Department of Zeal College of Engineering & Research Pune.
During Academic Year _2019-20_

Mr. A. V. Wakchaure
Course Coordinator

Dr. P. B. Watvekar
Head of Civil Department
PU/PN/Engg./
285/2007

Dr. A. M. Kate
Principal
ZCOER, Pune

93