

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar – 574225, Moodbidri.
Dakshina Kannada Karnataka, India.

DEPARTMENT OF CIVIL ENGINEERING



A REPORT ON “AUTOCADD REVIT ARCHITECTURE SOFTWARE”

2016-17



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri - 574 225
Phone: 08258-262725 Fax: 08258-262726
DEPARTMENT OF CIVIL ENGINEERING

Date: 03 Nov 2016

Place: AIET, Moodbidri.

APPROVAL LETTER

To,

The Principal/IQAC Chairman,
AIET, Moodbidri




Respected Sir,

Sub: - Approval for Organizing the Students Certification/Training Program on
"Auto CAD Revit Architecture"-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 **"Auto CAD Revit Architecture"** from **"30th January 2017"** to **"03rd February 2017"** for 6th semester students.

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

Thanking you Sir.

Coordinator: Prof. Surendra P 	Head of the Department: Prof. Durgaprasad Baliga  H.O.D. Dept. of Civil Engineering Alva's Institute of Engg. & Technology Mijar, Moodbidri - 574 225
	Principal:  PRINCIPAL Alva's Institute of Engg. & Technology Mijar, Moodbidri - 574 225, B.M.



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DEPARTMENT OF CIVIL ENGINEERING

Date: 31 Oct 2016

CIRCULAR

All the Civil Engineering Students are hereby informed to attend Certification programme as below schedule for the academic year 2016-17.

Sl. No.	Semester	Course Title	Scheduled date No. of Days	Remarks
1.	3	Design Visualization Pro software	29 Aug 2016 to 05 Apr 2017, (40 hrs)	
2.	6	AUTO CADD Revit Architecture software	30 Jan to 03 Feb 2017 5 days	
3.	8	Introduction to CYPE software	23 to 28 Jan 2017 5 days	

Note:

1. Every day the session begins at 9:00 am & closes at 5:00 pm in Civil Engg., CADD laboratory only for 6 & 8 semesters only.
2. Every Friday from 5.10 to 7 pm & Saturday 2 to 5 pm in Civil Engg., CADD laboratory for 3 semester only.
3. In-between 1:00 - 2:00 pm lunch break 11:00 to 11:15 am & 3:00 to 3:15 pm recess for 6 & 8 semesters only.
4. Attendance & IA Test is compulsory to get certificate.
5. Students should carry their own stationeries.
6. Software back up will be provided as a student license version.

CV-HOD
H.O.D.

Dept. of Civil Engineering
Alva's Institute of Engg. & Technology
Mijar, Moodbidri - 574 225


Principal

PRINCIPAL

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



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DEPARTMENT OF CIVIL ENGINEERING

SYLLABUS

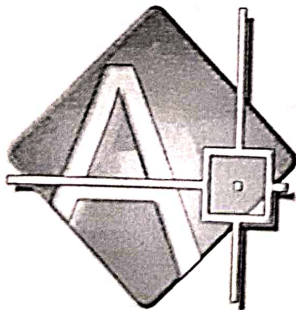
SCHEME			
Syllabus review committee:	Mr. Vinod, Proprietor, CADD Centre Moodbidri (External) Prof. B Durgaprasad Baliga, Prof. Raviprasad (Internal)		
Course type:	Certificate	Course duration:	40 hrs or 5 days
Course title:	Auto CAD Revit Architecture	Course semester:	6
Course Coordinator:	Prof. Ramesh Rao B	Course dates:	30 Jan 2017 to 3Feb 2017
SCHEDULE WITH SYLLABUS			
Day/Date	Description		
Day 1 30 Jan 2017	Adding Levels, Modifying Levels, Creating Level Head, Constrain Levels.		
Day 2 31 Jan 2017	Modify Tools, Move, Copy, Create Similar, Rotate, Mirror, Array, Scale, Split Element, Trim, Align, Offset, Pin, Unpin, Doors, Windows, Keyboard Shortcuts		
Day 3 1Feb 2017	Roof, Creating Roof, Modifying Roof, Shape editing for Roofs and Floors, Roof Soffit, Roof Fascia, Roof Gutter, Openings, Opening on face and Vertical Opening, Wall opening, Shaft opening, Dormer Opening		
Day 4 2Feb 2017	Creating views, Plan views, View range, Plan region, Elevation, Section, 3D Views, Lock 3D view, Background, Cropping View, Visibility or Graphics, View Templates, Duplicate Views, Visual Styles, Filter, Graphic Display Options		
Day 5 3Feb 2017	Hands On Start the Example 1 &2		
Note:			
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H.O.D.

Dept. of Civil Engineering
Alva's Institute of Engg. & Technology
Mijar, Moodbidri - 574 225

PROGRAMME SCHEDULE

- ❖ Invocation
- ❖ Welcome Speech
- ❖ Inauguration
- ❖ Presidential Speech
- ❖ Vote of Thanks



INVITATION

**ALVA'S INSTITUTE OF ENGINEERING AND
TECHNOLOGY, MOODBIDRI**

DEPARTMENT OF CIVIL ENGINEERING

Cordially invites you to the

Inauguration of Certification Program
On

**" INTRODUCTION TO AUTOCADD REVIT
ARCHITECTURE SOFTWARE "**

Resource Person: **Prof. Veena D Savanth**
Prof. Avinash Nayak
Prof. Ramesh Rao B
Dept. of Civil Engg.,
AIET Moodbidri

Guest of Honor: **Mr. Vivek Alva**

Managing Trustee

President: **Dr. Peter Fernandes**

Principal, AIET, Moodbidri.

Coordinator

Prof. Ramesh Rao B

Assistant Professor

Head of the Department

Prof. Durgaprasad Baliga

Associate Professor and Head

Venue: CADD Lab, Fifth Floor, AIET Civil Block @9.00AM

ABOUT VTU, BELAGAVI

Visvesvaraya Technological University is a collegiate public state university in Karnataka State, India. It was established by the Government of Karnataka. The university is named after M. Visvesvaraya from Karnataka, the only engineer to be awarded a "Bharat Ratna", the highest civilian award in India. Jnana Sangama, Belagavi is the headquarters of VTU. Additionally, the university has three regional centers in Bangalore, Gulbarga and Mysore. VTU is one of the largest universities in India with 212 colleges affiliated to it with an intake capacity of over 467,100 undergraduate students and 12,666 postgraduate students. The university encompasses technical and management fields which offer 30 undergraduate and 71 postgraduate courses. It has around 1800 PhD candidates. VTU has 13 QIP centers and 17 extension centers in its affiliated colleges offering postgraduate courses. It has around 2,305 departments recognized as research centers which are spread across its affiliated institutions in cities of Karnataka.

AIET, MOODBIDRI

Alva's Education Foundation (AEF) established in 1995 with the vision of our Chairman Dr. M. Mohan Alva has succeeded in making Moodbidri, an Educational hub in the South Canara Region, with more than 25000 students pursuing various courses ranging from primary school to post-graduate courses in social sciences, pure sciences, engineering and management. There are 21 institutions functioning under the Alva's Education Foundation.

Alva's Institute of Engineering and Technology, Moodbidri is a Premier Engineering Institute of Alva's Education Foundation, established in the year 2008. The college is certified to the ISO 9001:2008 standards. The institute offers top quality education in five under graduate programs in Engineering- Computer Science, Civil, Electronics & Communications, Information Science, and Mechanical Engineering- Three Post Graduate programs- Master of Technology in Thermal Power Engineering, Computer Science & Engineering, VLSI Design Embedded System and Master of Business Administration.

DEPARTMENT OF CIVIL ENGINEERING

Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including public works such as roads, bridges, canals, dams, airports, sewerage systems, pipelines, structural components of buildings, and railways.

The Bachelor's degree in Civil Engineering in AIET was started in the academic year 2009 - 10 with an intake of 60 students. The department offers a full time B.E degree course in Civil Engineering. Our department organizes seminars, workshops & Industrial visits for the benefit of students and faculty which would bring exposure of the recent trend in civil engineering. Students involve in the consultancy projects obtained through various govt. and non-govt. agencies. The infrastructure available in the department facilitates students to develop their skill and knowledge within the framework of curriculum prescribed by the Visvesvaraya Technological University.

ABOUT AUTOCADD REVIT ARCHITECTURE SOFTWARE

Autodesk Revit Architecture is a robust architectural design and documentation software application created by Autodesk for architects and building professionals. The tools and features that make up Revit Architecture are specifically designed to support building information modeling (BIM) workflows. By utilizing BIM as opposed to computer-aided drafting (CAD), Revit Architecture is able to leverage dynamic information in intelligent models — allowing complex building structures to be accurately designed and documented in a short amount of time. Each intelligent model created with Revit Architecture represents an entire project and is stored in a single database file. This allows changes made in one part of the model to be automatically propagated to other parts of the model, thus enhancing the workflow for Revit Architecture users.

COURSE CONTENT

1. Building Information Modeling.
2. Revit Architecture Basics
3. Basics of the Building Model
4. Viewing the Building Model
5. Using Dimensions and Constraints
6. Developing the Building Model
7. Working with Families Detailing Your Design
8. Design Documenting / Annotating Your Design Presenting the Building Model.
9. Importing and Exporting Files
10. Conceptual Design

RESOURCE PERSON

Prof. Veena D Savanth
Prof. Avinash Nayak
Prof. Ramesh Rao B
Assistant Professor,
Department of Civil Engineering,
AIET Moodbidri

PROGRAM SCHEDULE

JANUARY 30, 2017	
Inauguration:	09:00 am to 09:30 am
Tea Break:	9:30 am to 9:45 am
Session 1:	9:45 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 2:	02:00 pm to 05:00 pm
JANUARY 31, 2017	
Session 3:	09:30 am to 11:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 4:	02:00 pm to 05:00 pm
FEBRUARY 1, 2017	
Session 5:	09:30 am to 11:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 6:	02:00 pm to 05:00 pm
FEBRUARY 2, 2017	
Session 7:	09:30 am to 11:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 8:	02:00 pm to 05:00 pm
FEBRUARY 3, 2017	
Session 9:	09:30 am to 11:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 10:	02:00 pm to 04:00 pm
Valedictory:	04:30 pm to 05:00 pm



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Department of Civil Engineering

Auto CADD Revit Architecture

Batch 1		
Sl. No.	USN	Name of the Student
1	4AL11CV051	ABHISHEK S SHETTY
2	4AL12CV003	ABY T MATHEW
3	4AL12CV050	MUZAMIL N
4	4AL13CV013	AMARANATH V A
5	4AL13CV042	KIRAN THOMSON
6	4AL13CV052	MANSOOR AHAMED
7	4AL13CV070	RAFEEQUE U P
8	4AL13CV108	VIKAS G R
9	4AL13CV120	MUTUM SUSMITA DEVI
10	4AL13CV130	SOUNDARYA B
11	4AL13CV131	SHASHANK GOWDA
12	4AL13CV132	JAYASHREE V
13	4AL14CV001	AKASH PADMANABHA S
14	4AL14CV003	ABDUL RAFAB
15	4AL14CV005	AISHWARYA V
16	4AL14CV006	AKARSH PONAPPA
17	4AL14CV007	AKSHATHA K
18	4AL14CV009	ALLWYN ELISH
19	4AL14CV011	AMUL BAKKA
20	4AL14CV012	ANANTH KUMAR S
21	4AL14CV014	ANOOP A
22	4AL14CV015	ANOOPSHASTRI S DODAWAD
23	4AL14CV016	ANTO CHAKOCHAN
24	4AL14CV017	ARCHANA GANGADHAR
25	4AL14CV019	B VIDHYADAR RAO
26	4AL14CV020	BASANAGOWDA R PATIL
27	4AL14CV021	BASAVARAJCHANNABASAPPA
28	4AL14CV022	BEERAPPA S GIRISAGAR
29	4AL14CV023	CHETHAN G T
30	4AL14CV025	DARSHAN GOWDA G N
31	4AL14CV027	DHANYA
32	4AL14CV029	FAHEEZ AHMED
33	4AL14CV030	G M SHANKARAMOORTHY
34	4AL14CV031	GOUTHAM
35	4AL14CV032	GURURAJ PATIL G
36	4AL14CV033	HAJARESHAB DUDDUSAB H
37	4AL14CV036	HEIGRUJAM JAYARANI DEVI
38	4AL14CV040	KARTHIK
39	4AL14CV041	KIRAN B SHRIWALKER
40	4AL14CV043	KRISHNA
41	4AL14CV044	LINGARAJA HEBBALI
42	4AL14CV047	MANISH R SHETTY
43	4AL14CV048	MUHAMMED FARAZ ABDUL



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44	4AL14CV049	MUHAMMED RIZWAN
45	4AL14CV051	MAHAN M S
46	4AL14CV053	NAGARAJ
47	4AL14CV054	NAGPRASAD R
48	4AL14CV055	NAYANA K
49	4AL14CV056	NIDHISREE K
50	4AL14CV057	PARASURAM S S
51	4AL14CV058	POLEM NIRMALDHAJA
52	4AL14CV060	PRAJNA
53	4AL14CV061	PRAJWAL M
54	4AL14CV063	PRAKASHA SAPALIGA
55	4AL14CV064	PRASHANTH WURULI



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Batch 2		
1	4AL14CV065	PRATHIBHA C HIEMATH
2	4AL14CV066	PRAVEEN R
3	4AL14CV067	PRIYA PRADEEP RANE
4	4AL14CV068	PUSHPA CHINDI
5	4AL14CV069	RAGHU M
6	4AL14CV070	RAHUL M R
7	4AL14CV073	RAKESH H
8	4AL14CV074	RASHMITH R SUVARNA
9	4AL14CV075	RASINA K V
10	4AL14CV076	RATAN LAXMAN JONGANAVAR
11	4AL14CV077	RAVI SHANKAR B
12	4AL14CV078	SABAREDDY
13	4AL14CV079	SAHANA PRIYA A
14	4AL14CV082	SANGAMESH
15	4AL14CV083	SANJAYKUMAR NATIKAR
16	4AL14CV085	SANTOSH H
17	4AL14CV091	SHRUTHI S N
18	4AL14CV092	SNEHA GEORGE
19	4AL14CV093	SOWMYASHREE D
20	4AL14CV095	SREENATH REDDY
21	4AL14CV096	SHRIKANT SANGANNA TALAVAR
22	4AL14CV098	SUHAIB ALI K A
23	4AL14CV099	SUNIL KUMAR K B
24	4AL14CV101	SUSHMA KRISHNASA RAIBAGI
25	4AL14CV102	TANUJA K L
26	4AL14CV103	TEENAANTONY
27	4AL14CV104	VARSHA RAMA GUNAGI
28	4AL14CV105	VARUNA B H
29	4AL14CV109	YASHASWINI NAGARAJ
30	4AL14CV110	YENGKHOM MILANKUMAR
31	4AL14CV401	B . HARIPRASAD PAI
32	4AL15CV400	AKSHAYA KUMNAR D
33	4AL15CV401	ANIL KORIGANNAVAR R
34	4AL15CV403	MADHURI YARAGANAVI
35	4AL15CV404	MOHD. SAHUL HAMMED
36	4AL15CV405	MUTTURAJ L ANNIGERI
37	4AL15CV406	NALINA M E
38	4AL15CV407	PRAVEEN KUMAR R
39	4AL15CV408	PUNITH N
40	4AL15CV409	RAJASHEKHARA H
41	4AL15CV410	RAJESH H KAMBLI
42	4AL15CV411	RAJESH R N
43	4AL15CV412	RAJU LAMANI
44	4AL15CV413	ROHITH SK
45	4AL15CV414	SACHIN P
46	4AL15CV415	SAGAR M S
47	4AL15CV416	SANJEEV KUMAR S
48	4AL15CV417	VEERESH WALI



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Department of Civil Engineering

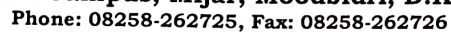
49	4AL15CV418	VENKATESH CS
50	4AL15CV419	VISHWA R

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H.O.D.

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DEPARTMENT OF CIVIL ENGINEERING

AUTO CAD REVIT ARCHITECTURE Batch 2

30/01/2017- 03/02/2017

Academic Year 2016-17[illegible]



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25	4AL14CV102	TANUJA K L	P	P	P	A	P	P	P	P	P	P
26	4AL14CV103	TEENAANTONY	A	P	P	A	P	P	P	A	A	P
27	4AL14CV104	VARSHA RAMA GUNAGI	A	P	P	A	P	P	A	P	P	P
28	4AL14CV105	VARUNA B H	P	P	P	P	P	P	P	P	P	P
29	4AL14CV109	YASHASWINI NAGARAJ	P	P	P	P	P	P	P	P	P	P
30	4AL14CV110	YENGKHOM MILANKUMAR	P	P	P	P	P	P	P	P	P	P
31	4AL14CV401	B. HARIPRASAD PAI	P	P	P	P	P	P	P	P	P	A
32	4AL15CV400	AKSHAYA KUMNAR D	P	P	P	P	P	P	P	P	P	A
33	4AL15CV401	ANIL KORIGANNAVAR R	P	P	P	P	P	P	P	P	A	P
34	4AL15CV403	MADHURI YARAGANAVI	A	P	P	P	P	P	P	P	P	P
35	4AL15CV404	MOHD. SAHUL HAMMED	P	P	P	P	P	P	P	P	P	P
36	4AL15CV405	MUTTURAJ L ANNIGERI	P	P	P	P	P	P	P	P	P	P
37	4AL15CV406	NALINA M E	P	A	P	P	P	P	P	P	P	P
38	4AL15CV407	PRAVEEN KUMAR R	P	A	P	P	P	P	P	P	P	A
39	4AL15CV408	PUNITH N	P	P	P	P	P	P	P	P	A	P
40	4AL15CV409	RAJASHEKHARA H	P	P	P	P	P	P	P	P	P	A
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42	4AL15CV411	RAJESH R N	P	A	P	P	P	P	A	P	P	P
43	4AL15CV412	RAJU LAMANI	A	A	P	P	P	P	P	P	P	P
44	4AL15CV413	ROHITH SK	P	A	P	P	P	P	A	P	A	P
45	4AL15CV414	SACHIN P	P	P	P	P	P	P	P	P	P	P
46	4AL15CV415	SAGAR M S	P	P	P	P	P	P	P	P	P	P
47	4AL15CV416	SANJEEV KUMAR S	P	P	P	P	P	P	P	P	P	P
48	4AL15CV417	VEERESH WALI	P	P	P	P	P	P	P	P	P	P
49	4AL15CV418	VENKATESH CS	P	P	P	P	P	P	A	P	P	P
50	4AL15CV419	VISHWA R	P	P	P	P	P	P	A	P	P	P

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Dept. of Civil Engineering
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ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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DEPARTMENT OF CIVIL ENGINEERING

Summary

Day 1: 30 Jan 2017

The program was inaugurated by the HOD & Principal at 9:11 am with a student, later the certification course was briefly instructed by the principal and HOD to the gathering. The motivational speeches by both dignitaries lead the students to enthusiastic and energized the mob.

The session started at 9:25 am by Prof. Veena D S started to teach the theory from basics like coordinate systems and layout w.r.t a sample plan of a building to define and draw the elevations and plan in software.

Day 2: 31 Jan 2017

The session was started by Prof. Ramesh Rao introducing the term families of software and its usages with a building example to create their own libraries.

Day 3: 01 Feb 2017

The session was started by Prof. Avinash creation of elevation with multiple floors in software.

Day 4: 02 Feb 2017

The session was started by Prof. VDS regarding creating the walkthroughs and usage of camera.

Day 5: 03 Feb 2017

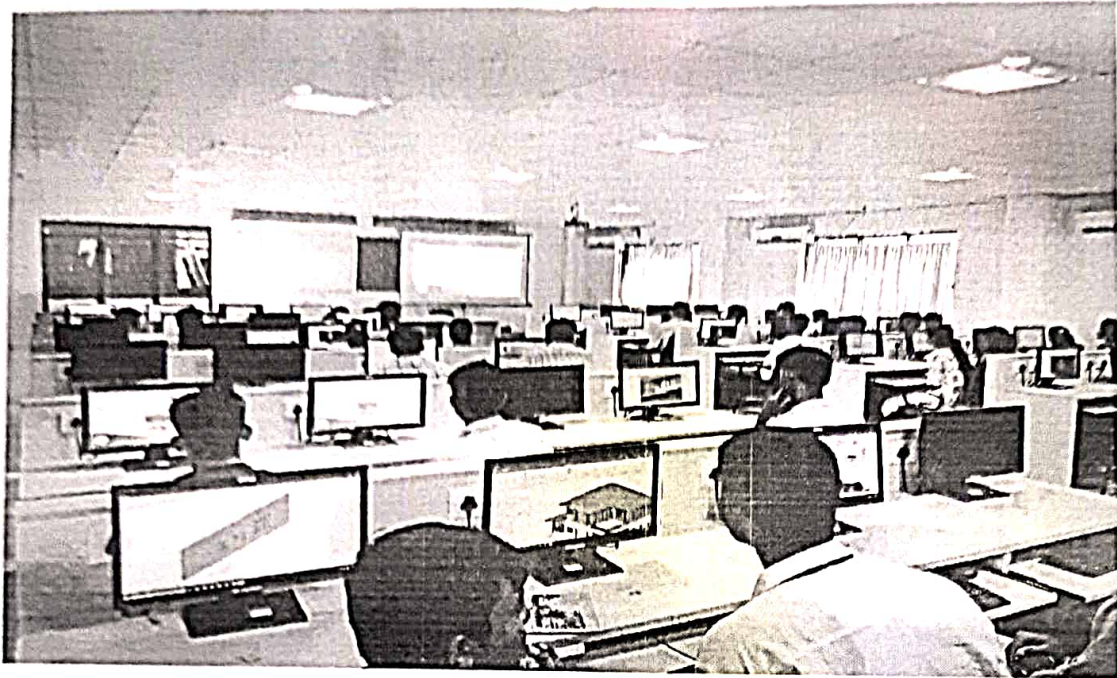
The session was started by Prof. RRB regarding the different solar days elevation creation and creating the video of building.

In the afternoon session concluding remarks done by the students.



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DEPARTMENT OF CIVIL ENGINEERING

PHOTOGRAPHS



[Handwritten Signature]
HOD (Civil Engineering)
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Dept. of Civil Engineering
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DEPARTMENT OF CIVIL ENGINEERING

6. Define stair sketch method.

- ☐ A) Stair by sketch
- ☐ B) Stair by face
- ☐ C) Stair in component
- ☐ D) Stair by floor

7. How can we create Ceiling?

- ☐ A) Ceiling defined by walls
- ☐ B) Sketch inside boundary
- ☐ C) Pick line method
- ☐ D) All above

8. Where are we find the curtain wall?


- ☐ A) Build Panel
- ☐ B) Type Property
- ☐ C) Type Selector
- ☐ D) Instance Property

9. View Cube can be found in the _____ View

- ☐ A) Elevation View
- ☐ B) Section View
- ☐ C) Camra View
- ☐ D) 3d View

10. What is the Wall shortcut?

- ☐ A) WAL
- ☐ B) WL
- ☐ C) WA
- ☐ D) WLL


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Note: All questions are compulsory.

1. What is the shortkey of Door?
- ☐ A) DO
 - ☐ B) DOO
 - ☐ C) DA
 - ☐ D) DR

2. By which process we can draw floor by face?
- ☐ A) Create floor select mass floor
 - ☐ B) mass floor convert into floor building model
 - ☐ C) create mass floor us floor by face
 - ☐ D) None of these

3. We typically sketch the shaft on a host element _____ view.
- ☐ A) Ceiling plan
 - ☐ B) 2d plan
 - ☐ C) Floor plan
 - ☐ D) None of these

4. What is the Project Unit shortkey?
- ☐ A) PR
 - ☐ B) UN
 - ☐ C) PN
 - ☐ D) None of these

5. Where is the option Door located in ribbon palate?
- ☐ A) Circulation
 - ☐ B) Build
 - ☐ C) Model
 - ☐ D) None of these



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

A Unit of Alva's Education Foundation (R)

(Affiliated to Visvesvaraya Technological University, Belagavi

Approved by AICTE, New Delhi & Recognised by Government of Karnataka)

Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore, D.K., Karnataka State.

Phone : 08258-262724 (O), 262725 (P), Telefax:08258-262726

Email : principalaiet08@gmail.com, Web:www.aiet.org.in

Ref: AIET/CV/STTP/2016-17/

Date: 07/04/2017

From,

Dr. Peter Fernandes

Principal

Alva's Institute of Engineering & Technology,

Moodabidri - 574225

To,

Mr. Vinod

Propperitor


CADD Centre Moodbidri

Dear Sir,

Sub: Acknowledgment Letter -Reg.

On behalf of the Management and faculties, I extend my heartfelt gratitude for your suggestions in framing the syllabus for certification courses in the Civil Engineering Department. Looking forward to your support and cooperation in all our future ventures.

With regards,


Dr. Peter Fernandes
Principal

PRINCIPAL

Alva's Institute of Engg. & Technology,
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**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
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DEPARTMENT OF CIVIL ENGINEERING

Certificate

*This is to certify that Mr./Ms.....bearing the
USN from has attended
the Students Training Program on "Auto CADD Revit
Architecture " from 30th January 2017 to 3rd February 2017.*

Mr. Ramesh Rao B
Coordinator

Prof. B Durgaprasad Baliga
Head of the Department
Civil Engineering

Dr. Peter Fernandes
Principal
AIET Moodbidri