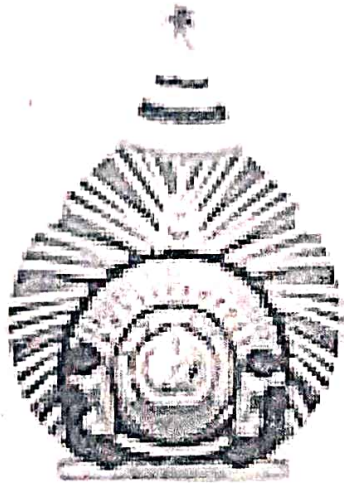


ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

DEPARTMENT OF CIVIL ENGINEERING



A REPORT ON “AUTOCADD 3D SOFTWARE”

2017-18



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri - 574 225

Phone: 08258-262725 Fax: 08258-262726

DEPARTMENT OF CIVIL ENGINEERING

Date: 15 Sep 2017

Place: Mijar

APPROVAL LETTER

To,

The Principal,
AIET, Moodbidri

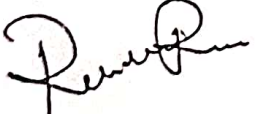
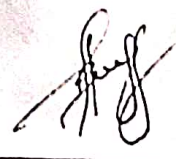
Respected Sir,

Sub: - Approval for Organizing the Students Certification/Training Program on
"Auto CAD 3D"-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 40 hours Student Training Program/ hands on workshop on "Auto CAD 3D" from "21st September 2017" to "26th November 2017" for 3rd semester students.

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

Thanking you Sir.

Coordinator: Prof. Ramesh Rao B 	Head of the Department:  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.Y.



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DEPARTMENT OF CIVIL ENGINEERING

Date: 14 Sep 2017

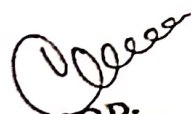
CIRCULAR

All the Civil Engineering Students are hereby informed to attend Certification programme as below schedule for the academic year 2017-18.

Sl. No.	Semester	Course Title	Scheduled date No. of Days	Remarks
1.	3	Auto CADD - 3D software	21 Sep to 26 Nov 2017, (40 hrs)	
2.	6	Hands on ETABS software	22 to 27 Jan 2018 5 days	
3.	8	STAAD Pro software	16 to 20 Jan 2018 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 Thursday, 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 semester 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.


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Dept. of Civil Engineering
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Principal

Principal
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DEPARTMENT OF CIVIL ENGINEERING

SYLLABUS

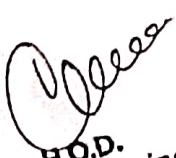
SCHEME			
Syllabus review committee:	Mr. Vinod, Proprietor, CADD Centre Moodbidri (External)		
	Prof. B Durgaprasad Baliga, Prof. Surendra P (Internal)		
Course type:	Certificate	Course duration:	40 hrs or 5 days
Course title:	Auto CAD 3D	Course semester:	3
Course Coordinator:	Prof. Ramesh Rao B	Course dates:	21Sep 2017 to 25Sep 2017

SCHEDULE WITH SYLLABUS

Day/Date	Description
Day 1 21 Sep 2017	Overview, Tools in AutoCAD Civil 3D, Settings and Defaults, Feature Line Styles, Grading Group Styles, Grading Criteria Sets, Surface Styles, Sites Overview
Day 2 22 Sep 2017	Setting Parcel Line Elevations, Retaining Walls, Editing Surfaces, Feature Line Interactions With Parcel Lines Feature Lines Overview, Create Feature Lines from Objects, Grading Creation Tools, Editing the Grading, Grading Volume Tools
Day 3 23Sep 2017	Draw Feature Lines, Create a Temporary Surface, Edit Feature Line Geometry, Copy or Move Feature Lines from One Site to Another, Create a Transitional Grading Group, Create a Grading Surface, Add Feature Lines to a Grading Surface
Day 4 24Sep 2017	Corridor Baselines, Profiles, Create Grading Assemblies, Creating Complex Corridors, Modify Corridor Grading
Day 5 25Sep 2017	Introduction to the 3D Modeling Workspace, Basic 3D Viewing Tools, Working with Materials, Specifying Light Sources, Rendering Concepts

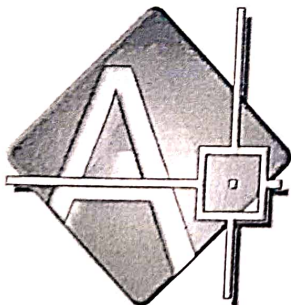
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PROGRAMME SCHEDULE

- ❖ 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

"AUTO CADD 3D "

Resource Person: Prof. Veena D Savanth

Prof. Rashmi H

Prof. Santosh K

**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 3D SOFTWARE

A process of creating a mathematical representation of any surface of an object in three dimensions by using special software is called 3D modeling. A 3D model can even be represented as a two-dimensional image by using the 3D rendering process. The user can also create 3D models physically using 3D printers. There is a lot of software that is used to create 3D models like AutoCAD, MAX, MAYA, and many more. 3D models are high in demand with the game developers as well. Some computer games use already rendered images of 3D models which are known as sprites. This helps the designer to view the model in all directions and they can make sure that the object created is like the original one. Presently, 3D models are also used by the movie industry, they use them as objects for animated and real-life pictures. Also, since a lot VFX are used in movies and gaming industry 3D models, renders and effects are most commonly used. The medical industry also uses 3D models of organs.

COURSE CONTENT

1. User Coordinate Systems
2. Multiple Viewports
3. Visual Styles
4. Units
5. Modeling by Layer
6. Rendering option
7. Surface development

RESOURCE PERSON

Prof. Veena D Savanth
Assistant Professor,
Department of Civil Engineering
AIET Moodbidri

PROGRAM SCHEDULE

21 SEPTEMBER 2017 to 26 NOVEMBER 2017

THURSDAY

Session : 05.00 pm to 07:00 pm

FRIDAY

Session : 05:30 pm to 06:30 pm

SATURDAY

Session : 02:00 pm to 05:00 pm



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DEPARTMENT OF CIVIL ENGINEERING

Certification course Registered Student list for the Academic year 2017-18

SUMMARY TABLE				
Sl. No.	Semester /Year	No. of Students	Date	Topic
1.	3/2	90	21 Sep to 26 Nov 2017	Auto CADD 3D
2.	6/3	90	22 to 27 Jan 2018	ETABS software
3.	8/4	90	16 to 20 Jan 2018	STAAD Pro

II YEAR		
1.	4AL15CV061	MUHAMMED NIHAL
2.	4AL15CV102	VIGNESH S
3.	4AL16CV002	ABHISHEK
4.	4AL16CV004	AKSHAY PRAVEENKUMAR KALMATH
5.	4AL16CV005	AMITH R
6.	4AL16CV006	ANILDA S FERNANDES
7.	4AL16CV007	ANILKUMAR AMBARAYA HAVANI
8.	4AL16CV008	ANOOP G SHIRANI
9.	4AL16CV010	ASHISH MOTGI
10.	4AL16CV011	ASHWIN Y N
11.	4AL16CV014	AZGAR BILAL
12.	4AL16CV015	B HARSHAVARDHAN ACHAR
13.	4AL16CV016	BHAGAYSHREE R AKKALAKOT
14.	4AL16CV017	BHARATH A C
15.	4AL16CV018	BHARATH VISHWAKARMA
16.	4AL16CV020	BORISKHAIDEM
17.	4AL16CV021	BRUNDA Y M
18.	4AL16CV023	CHAITHRA S G
19.	4AL16CV024	CHANDANA V
20.	4AL16CV025	DARSHAN M
21.	4AL16CV026	DHARSHINI T R
22.	4AL16CV029	GAUTHAM DAYANAND BANGERA
23.	4AL16CV031	GAUTHAM
24.	4AL16CV032	GURURAJ
25.	4AL16CV033	IROM BISHWAMITRA SINGH



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26.	4AL16CV036	KEDAR KAMATH M
27.	4AL16CV037	KEERTHANA K C
28.	4AL16CV039	LAISHRAM LINTHOINGANBI
29.	4AL16CV040	LAXMIDEVI AMARESH KARADAKALL
30.	4AL16CV042	M SURAJ ACHARYA
31.	4AL16CV046	MANOJ J D
32.	4AL16CV047	MANOJ V
33.	4AL16CV049	MOHITHGOWDA P
34.	4AL16CV051	MUSHAHID ALY YUSUF
35.	4AL16CV052	MUTHURABASIMAYUM KRISHNAKUMARI DEVI
36.	4AL16CV053	N H SHARATH
37.	4AL16CV054	NAGALAKSHMI A
38.	4AL16CV061	NONGMAITHEM ROSHAN
39.	4AL16CV062	PRABHULING
40.	4AL16CV063	PRAJWAL D BORE
41.	4AL16CV064	PRAJWAL H M
42.	4AL16CV065	PRANAV YADAV K V
43.	4AL16CV066	PRAVEEN TIRUPATI KHURADE
44.	4AL16CV067	PREM KUMAR G J
45.	4AL16CV071	RAMESH
46.	4AL16CV074	RIYA
47.	4AL16CV076	SACHIN ANDEWADI
48.	4AL16CV077	SACHIN SHIRANGAPUR
49.	4AL16CV078	SAGAR A P
50.	4AL16CV080	SANGEETHA S
51.	4AL16CV083	SAPAM CHA PAARI
52.	4AL16CV084	SATHISH B R
53.	4AL16CV085	SATWIK P SHETTY
54.	4AL16CV086	SHARANABASAVA
55.	4AL16CV087	SHETTY SANVITI VIJAY
56.	4AL16CV088	SHRIKANTH DODAMANI
57.	4AL16CV089	SINDHU G N
58.	4AL16CV090	SUDHAKAR NINGTHOUJAM
59.	4AL16CV094	SWATHI V
60.	4AL16CV095	TASLIM

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DEPARTMENT OF CIVIL ENGINEERING

61.	4AL16CV096	TEJAS H
62.	4AL16CV099	VEENA R
63.	4AL16CV100	VEERARATHNA
64.	4AL16CV101	VIDYA VIJAYAKUMAR
65.	4AL16CV103	VIKHYAT BASANAGOUDA BASANAGAUDAR
66.	4AL16CV106	YATHISHA
67.	4AL16CV107	ZEOS LAIMAYUM
68.	4AL16CV108	TEJAS L
69.	4AL16CV109	SHARANU B TAKKLAKR
70.	4AL16CV110	NIVEDITHA
71.	4AL16CV111	SUMUKH R
72.	4AL17CV400	ANVITH KUMAR H
73.	4AL17CV401	BASAVARAJ
74.	4AL17CV402	C M SHARATH CHANDRA
75.	4AL17CV403	DARSHAN M N
76.	4AL17CV404	HARSHITH Y M
77.	4AL17CV405	JYOTHI R
78.	4AL17CV406	KIRAN
79.	4AL17CV407	KIRAN RATHOD
80.	4AL17CV408	KUMARA SWAMY
81.	4AL17CV409	MADAN H D
82.	4AL17CV412	MALLANNAGOWDA BIRADAR
83.	4AL17CV415	PADMANANDAN B S
84.	4AL17CV416	PRATAP RAJPUT
85.	4AL17CV418	RAJSHEKAR BANDIHAL
86.	4AL17CV419	SACHIN TATTIMANI
87.	4AL17CV420	SHAMITH S BANGERA
88.	4AL17CV421	SHETTY GAURESH GANESH
89.	4AL17CV422	SOMASHEKARA S D
90.	4AL17CV423	THILAK KUMAR K NAIK


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MIJAR.

MOODBIDRI - 574 225

ATTENDANCE CUM INTERNAL

ASSESSMENT STATEMENT

Student Attendance - Auto CAD. 3D. Software.

certification Course

Staff Initials

MIJAR.

AND TECHNOLOGY

MOODBIDRI - 574 225

ASSESSMENT STATEMENT

[illegible]

ALVA'S INSTITUTE OF ENGINEERING

MIJAR,

AND TECHNOLOGY

MOODBIDRI - 574 225

ATTENDANCE CUM INTERNAL

ASSESSMENT STATEMENT

055

Subject

of Classes held

Sl. No	USN	Name	Tests Max Marks					Average Marks																								
			I	II	III	IV	V		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	4AL16CV096	TEJAS H							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	4AL16CV099	VEENA R							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	4AL16CV100	VEERAKATHINA							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	4AL16CV101	VIDYA VIJAYAKUMAR							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	4AL16CV103	VIKHYAT BASANAGOUDA BASANAGOUDAR							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	4AL16CV106	VATHISHA							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	4AL16CV107	ZEOS LAMAYUM							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	4AL16CV108	TEJAS L							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	4AL16CV109	SHARANU B TAKKLAKR							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	4AL16CV110	NIVEDITHA							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	4AL16CV111	SUMUKH R							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	4AL17CV400	ANVITH KUMAR H							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	4AL17CV401	BASAVARAJ							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	4AL17CV402	C M SHARATH CHANDRA							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	4AL17CV403	DARSHAN M N							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	4AL17CV404	HARSHITH Y M							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	4AL17CV405	JYOTHI R							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	4AL17CV406	KIRAN							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	4AL17CV407	KIRAN RATHOD							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	4AL17CV408	KUMARA SWAMY							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	4AL17CV409	MADAN H D							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	4AL17CV412	MALLANNAGOWDA BIRADAR							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	4AL17CV415	PADMANANDAN B S							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	4AL17CV416	PRATAP RAJPUT							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	4AL17CV418	RAJSHEKAR BANDIHAL							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	4AL17CV419	SACHIN TATTIMANI							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	4AL17CV420	SHAMITH S BANGERA							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	4AL17CV421	SHEETY GAURESH GANESH							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	4AL17CV422	SOMASHEKARA S D							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	4AL17CV423	THILAK KUMAR K NAIK							P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Staff Initials																																

[Signature]

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DEPARTMENT OF CIVIL ENGINEERING

Note: All questions are compulsory.

1. The Press-Pull tool will _____ the face of a solid model in the direction it faces.
 - A. taper
 - B. extrude
 - C. spiral
 - D. none of the above

2. The View toolbar will position the view of the 3-D solid toward the _____.
 - A. front
 - B. left side
 - C. SE isometric
 - D. all of the above

3. The Free Orbit tool is found on the _____ toolbar.
 - A. rotate
 - B. move
 - C. modify
 - D. 3-D Move

4. The default position of the UCS icon is positioned at _____ on the AutoCAD grid.
 - A. 0,0,0
 - B. 10,10,10
 - C. 20,20,20
 - D. None of the above

5. A cylinder can be created by drawing a rectangular shape then the _____ tool.
 - A. Revolve
 - B. Sweep
 - C. Extrude
 - D. none of the above



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Phone: 08258 262725, Fax: 08258 262726
DEPARTMENT OF CIVIL ENGINEERING

6. The MASSPROP shortcut will provide the following information
- A. mass
 - B. volume
 - C. bounding box
 - D. all of the above
7. The 3-D commands on the Modeling toolbar include _____.
- A. box
 - B. sphere
 - C. extrude
 - D. all of the above
8. CAD programs which incorporate parametric modeling utilize a system in which the dimensions control the _____.
- A. size and shape of the model features
 - B. perspective of the model
 - C. shading used to render the model
 - D. all of the above
9. In order to create one solid model from two or more separate solid shapes the drafter will need to position them and then _____.
- A. use Union to join them
 - B. use the Join command
 - C. use the Add Parts tool
 - D. none of the above
10. The Conceptual Visual Style tool is located on the _____ toolbar.
- A. Visual Styles
 - B. Modify
 - C. 3-D Modeling
 - D. All of the above


H.O.D.
Dept. of Civil Engineering
Alva's Institute of Engg. & Technology
Mijar, Moodabidri - 574 225

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Phone: 08258-262725, Fax: 08258-262726

Department of Civil Engineering

FEEDBACK*Autocad 3D 21/09/2017 to 26/11/2017*

SI.NO	Description	Weightage		
		POOR	AVERAGE	GOOD
1	Topic title			✓
2	Communication of faculty		✓	
3	Explanation & Examples of Software theory			✓
4	Knowledge of the faculty towards Software / <i>course</i>		✓	
5	Faculty Interaction with students			✓
6	Software Clarifications in the Lab			✓
7	How was the entire Software training program?		✓	
8	Rate the sessions in the scale of 5	4		
Total =			3	4

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FEEDBACK*Autocad 3D 21 SEP 2017 - 26 NOV 2017*

SI.NO	Description	Weightage		
		POOR	AVERAGE	GOOD
1	Topic title			✓
2	Communication of faculty			✓
3	Explanation & Examples of Software theory			✓
4	Knowledge of the faculty towards Software / <i>course</i>		✓	
5	Faculty Interaction with students		✓	
6	Software Clarifications in the Lab	✓		
7	How was the entire Software training program?		✓	
8	Rate the sessions in the scale of 5	4		
Total =		1	3	3

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Shobhavana Campus, Mijar, Moodbidri DK Karnataka-574225

DEPARTMENT OF CIVIL ENGINEERING

Certificate

*This is to certify that Mr./Ms.....bearing the
USN from has attended
the Students Training Program on "Auto CAD 3D" from
21st September 2017 to 26th November 2017.*

Mrs. Ramesh Rao B
Coordinator

Prof. B Durgaprasad Baliga
Head of the Department
Civil Engineering

Dr. Peter Fernandes
Principal
AIET Moodbidri