

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

Shobhavana Campus, Mijar – 574225, Moodbidri.

Dakshina Kannada Karnataka, India.



**Department of Mechanical Engineering**

**CERTIFICATION COURSE**

On

**“CATIA”**

**FOR THE ACADEMIC YEAR**

**2018-19**



# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri - 574 225

Phone: 08258-262725 Fax: 08258-262726

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 28/6/2018

## APPROVAL LETTER

To,

The Principal,  
AIET, Moodbidri

Respected Sir,

**Sub: - Approval for Organizing the Students Certification/Training**  
**Program on "CATIA"-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 **"CATIA"** from **"14 Jan 2019" to "18 Jan 2019"**.

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

Thanking you Sir.

Coordinator:

Mr. Hemanth S

Head of the Department:

for Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

Principal

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

Place: AIET, Moodbidri.



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## DEPARTMENT OF MECHANICAL ENGINEERING

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Date: 11/1/2019

### CIRCULAR

All the students are hereby informed that there is a certification course on about CATIA which is scheduled from 14.01.2019 to 18.01.2019, which is conducted by Mr. Kiran C H, AIET, Dept of mechanical engineering, moodbidri. Interested students kindly register your names on or before 15.01.2019.

**Head of the Department:**  
Dept of Mechanical Engineering  
Alva's Institute of Engineering & Technology  
Mijar, MOODBIDRI - 574 225

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

**DEPARTMENT OF MECHANICAL ENGINEERING**

Cordially invites you to the

**Inauguration of Certification Program**

On

**“ CATIA ”**

❖ **Invocation**

❖ **Welcome Speech**

❖ **Introducing the Chief Guest**

❖ **Honoring the Chief Guest**

❖ **Inauguration**

❖ **Presidential Speech**

❖ **Vote of Thanks**

**Resource Person: Mr. KIRAN C H**

**Dept. of ME, AIET Moodbidri**

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

**Managing Trustee**

**President: Dr. Peter Fernandes**

**Principal, AIET, Moodbidri.**

**Coordinator**

**Mr. Hemanth S**

**Assistant Professor**

**Head of the Department**

**Mr K V Suresh**

**Associate Professor and Head**

**Venue: AIET MECH 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 MECHANICAL ENGINEERING

Department of Mechanical Engineering was established in the year 2008 with an intake of 60 and has enhanced to 180 from academic year 2012-13. The Post Graduate course, M.Tech in Thermal Power Engineering was introduced from the academic year 2012-13 with an intake of 18 students. Department is recognized as a research centre by VTU. Department is actively involved in Curricular and extracurricular activities in associations with professional bodies. The main objective of the department is to provide academic excellence, knowledge and nurture talent in the area of Mechanical Engineering. The department has started Bio Diesel research testing centre in the campus to explore in the area of Alternative Fuels.

Department vision is to develop Quality Mechanical Engineers to meet the ever growing and ever changing needs of the economy. The Department is committed to provide high quality technical education at under graduate and post graduate level by means of state of art curriculum with best teaching-learning process.

### ABOUT CATIA COURSE

CATIA is the product design software developed and created by Dassault Systemes. This is a multinational software company based in France. It is globally and widely used software that delivers 3D design, Computer-aided engineering solutions, PLM and Computer-aided manufacturing solutions. The software is commonly used in manufacturing industries and Original Equipment Manufacturers (OEMs) to increase the process of designing, analyzing and management of new products. CATIA makes work easy in design

CATIA is also commonly called to as a 3D Product Lifecycle Management software package. It has a lot of scope in numerous industries around the globe. It helps in the process of product development. This process includes development, concept making, designing, engineering, and manufacturing. It is used in mechanical engineering, system engineering, electrical systems & fluid systems

### COURSE CONTENT

1. Introduction to CATIA
2. 2D and 3D modeling
3. Part modeling
4. Sheet metal Designing
5. Drafting
6. 1<sup>st</sup> and 2<sup>nd</sup> angle projection
7. Surface designing
8. Wireframe designing

### RESOURCE PERSON

**Mr. Kiran C H**

Assistant Professor

Department of Mechanical Engineering, AIET  
Moodbidri

### Organizing committee

**Mr. Anish A, Mr.Sagar, Mr Shailesh B G**

Assistant Professor

Department of Mechanical Engineering AIET  
Moodbidri

### PROGRAM SCHEDULE

#### January 14, 2019

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 15, 2019

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

#### January 16, 2019

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

#### January 17, 2019

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

#### January 18, 2019

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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Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

## DEPARTMENT OF MECHANICAL ENGINEERING

The following lists of students are here by informed to attend the CATIA certification course from 14-18 Jan 2019

CATIA REGISTRATION LIST		
SLN	USN	NAME
1.	4AL16ME409	DIVAKAR K M
2.	4AL16ME410	GADKAR ROHAN RAJESH
3.	4AL16ME411	GIRISH R
4.	4AL16ME412	GIRISH UGARGOL
5.	4AL16ME413	HALESHA B S
6.	4AL16ME414	MADHUSUDHAN K
7.	4AL16ME415	MAHALAKSHMI P D
8.	4AL15ME700	ABHISHEKA R S
9.	4AL15ME701	AKASH V
10.	4AL15ME702	AMOG DILIP MAJALIKAR
11.	4AL15ME703	ANAND G WARRIER
12.	4AL15ME704	ANAND RATHOD
13.	4AL15ME705	ARJUN S
14.	4AL15ME706	ASIF M B
15.	4AL15ME707	ASWIN KRISHANA P R
16.	4AL15ME708	ASWIN VINEETH
17.	4AL15ME710	BHARATH SANTHOSH
18.	4AL15ME711	CHANDAN N
19.	4AL15ME712	CHIRAG B SHETTY

Coordinator

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225



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## DEPARTMENT OF MECHANICAL ENGINEERING

43.	4AL16ME425	SACHIN KOKATNUR
44.	4AL16ME426	SACHIN NANDIKOL
45.	4AL16ME427	SANGAPPA ANKUSH
46.	4AL16ME428	SHARATH T D
47.	4AL16ME429	SHASHIKUMAR J
48.	4AL16ME430	SHETTY RAHUL S
49.	4AL16ME434	SUSHANTH
50.	4AL16ME435	VIKRAMRAJ YANKAPPA K
51.	4AL16ME436	VINAY DAYANAND C
52.	4AL16ME437	VINAYAK N RAYAKAR
53.	4AL16ME438	VISHAL RAJAGOUDA P
54.	4AL16ME084	SUDHEERA
55.	4AL16ME085	SHARMA SUNNY R
56.	4AL16ME086	TANAY S K
57.	4AL16ME087	TEJAS B
58.	4AL16ME088	THEJESH R
59.	4AL16ME089	U GOBIND
60.	4AL16ME090	UDAYAKUMAR L A
61.	4AL16ME091	VENKATESH RAGAM
62.	4AL16ME092	VIJAYLAXMI P S
63.	4AL16ME093	VIKAS D S
64.	4AL16ME094	VISHAL SRIDHAYA P
65.	4AL16ME095	VISHNU

Coordinator

H.O.D.   
HoD  
Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 226





# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

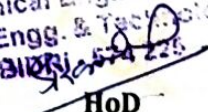
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

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## DEPARTMENT OF MECHANICAL ENGINEERING

89.	4AL17ME404	JANANI M
90.	4AL17ME405	JAYANTH S
91.	4AL17ME406	MAHESH KUMAR BO
92.	4AL17ME407	MOHANKIRSHNA M G
93.	4AL17ME408	MOHSIN FAYAD KHAN
94.	4AL17ME409	MUTTANNA BHANGI
95.	4AL17ME410	NAYAK RACHIT J
96.	4AL17ME411	PRASANNA V K
97.	4AL17ME413	PRAVEEN KUMAR YADAV
98.	4AL17ME414	RANGARAJU R
99.	4AL17ME415	RAVI
100.	4AL17ME416	RAVI E KANSOGI
101.	4AL17ME417	SHASHIKANTH J
102.	4AL17ME419	VINAY KUMAR

  
Coordinator

H.O.D.  
Department of Mechanical Engineering  
Alva's Institute of Engineering & Technology  
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225  
  
HOD





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## DEPARTMENT OF MECHANICAL ENGINEERING

### CATIA WORKSHOP-- ATTENDANCE REPORT-2018-19

SLN	USN	NAME(Caps Only)	14-01		15-01		16-01		17-01		18-01	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1.	4AL16ME409	DIVAKAR K M	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
2.	4AL16ME410	GADKAR ROHAN RAJESH	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
3.	4AL16ME411	GIRISH R	✓	✓	✓	✓	A	✓	✓	✓	✓	A
4.	4AL16ME412	GIRISH UGARGOL	✓	✓	A	✓	✓	✓	A	✓	✓	✓
5.	4AL16ME413	HALESHA B S	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
6.	4AL16ME414	MADHUSUDHAN K	✓	✓	A	✓	✓	✓	✓	✓	✓	✓
7.	4AL16ME415	MAHALAKSHMI P D	A	✓	✓	✓	✓	✓	✓	✓	A	✓
8.	4AL15ME700	ABHISHEKA R S	✓	✓	✓	A	✓	✓	✓	A	✓	✓
9.	4AL15ME701	AKASH V	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
10.	4AL15ME702	AMOG DILIP MAJALIKAR	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
11.	4AL15ME703	ANAND G WARRIER	✓	A	✓	✓	✓	✓	✓	✓	✓	A
12.	4AL15ME704	ANAND RATHOD	✓	✓	A	✓	✓	✓	✓	✓	✓	✓
13.	4AL15ME705	ARJUN S	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
14.	4AL15ME706	ASIF M B	A	✓	✓	✓	✓	✓	A	✓	✓	✓
15.	4AL15ME707	ASWIN KRISHANA P R	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
16.	4AL15ME708	ASWIN VINEETH	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
17.	4AL15ME710	BHARATH SANTHOSH	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
18.	4AL15ME711	CHANDAN N	✓	✓	✓	A	✓	✓	✓	A	✓	✓
19.	4AL15ME712	CHIRAG B SHETTY	A	✓	✓	✓	✓	✓	✓	✓	A	✓
20.	4AL15ME713	GERARD ELSTON S	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
21.	4AL15ME714	GOWTHAMKUMAR S N	✓	✓	✓	A	✓	✓	✓	✓	✓	✓

Coordinator

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





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## DEPARTMENT OF MECHANICAL ENGINEERING

22.	4AL15ME715	JAIDEV K	✓	✓	A	✓	✓	✓	✓	✓	A	✓
23.	4AL15ME716	JAMEEL AHAMED	✓	✓	✓	✓	✓	✓	A	✓	✓	✓
24.	4AL15ME717	MALLIKARJUN G	✓	✓	✓	✓	A	✓	✓	✓	✓	A
25.	4AL15ME718	MELVIN GEORGE M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
26.	4AL15ME720	PAVAN V	✓	✓	✓	✓	✓	✓	A	✓	✓	✓
27.	4AL15ME722	PRADEEP BAGALI	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
28.	4AL15ME723	PRASANNA H S	✓	✓	✓	✓	✓	A	✓	✓	✓	A
29.	4AL15ME724	PRATHIK P	✓	A	✓	✓	✓	✓	✓	A	✓	✓
30.	4AL15ME725	REVATI R K	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
31.	4AL15ME726	RIYAS AHAMED K N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
32.	4AL15ME728	SHETTY ASHIT M	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
33.	4AL15ME729	SHETTY KARTHIK P	✓	✓	✓	✓	✓	✓	✓	A	✓	✓
34.	4AL15ME731	SHETTY PRAJWAL R	A	✓	✓	✓	✓	✓	✓	✓	✓	A
35.	4AL15ME734	SUMANTH R GOUDA	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
36.	4AL15ME735	UDAYKUMAR J	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
37.	4AL16ME416	MAHANTESH S B PATIL	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
38.	4AL16ME417	NAIK JAGADISH D	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
39.	4AL16ME418	OMPRAKASH BASAPPA K	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
40.	4AL16ME420	PRAKASH HULLUR	✓	✓	✓	✓	✓	✓	A	✓	✓	A
41.	4AL16ME421	PRASHANT GANI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
42.	4AL16ME423	RAGHUNATHAGOUDA N	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
43.	4AL16ME425	SACHIN KOKATNUR	✓	✓	✓	A	✓	✓	✓	✓	✓	A
44.	4AL16ME426	SACHIN NANDIKOL	A	✓	✓	✓	✓	✓	✓	✓	✓	✓

Coordinator

H. O. D

Dept. Of Mechanical Engineering  
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**Shobhavana Campus, Mijar, Moodbidri, D.K – 574225**

## DEPARTMENT OF MECHANICAL ENGINEERING

68.	4AL16ME098	JYOTHI S	V	A	L	/	V	/	V	V	V	V
69.	4AL16ME099	RAKSHITH C	V	V	V	/	V	V	V	V	V	V
70.	4AL16ME100	PRASANNA VENKATESH	V	V	V	/	V	V	V	V	V	V
71.	4AL16ME102	SHASHANK CM	V	V	V	/	V	A	V	V	V	V
72.	4AL16ME103	SUMITH KUMAR	A	L	V	/	V	V	V	V	A	V
73.	4AL16ME104	VIVEKANADA C N	V	V	V	/	A	V	V	V	V	V
74.	4AL16ME431	SOMASHEKAR	V	V	V	/	V	V	A	V	V	V
75.	4AL16ME702	ANIL KUMAR G R	V	V	V	/	V	V	V	V	A	V
76.	4AL16ME703	B S ABHISHEK ACHARYA	V	A	V	/	V	V	V	V	V	V
77.	4AL16ME711	KIRANKUMAR B B	V	V	V	/	V	V	V	V	V	V
78.	4AL16ME712	MADESHA N	V	V	A	/	V	V	A	V	V	V
79.	4AL16ME713	MANJUNATH M G	V	V	V	/	V	V	V	V	V	V
80.	4AL16ME714	MANOJ HONNAPPA S	V	V	V	/	V	A	V	V	V	V
81.	4AL16ME716	PUNEETH KUMAR C M	V	V	V	A	V	V	V	V	V	V
82.	4AL16ME717	RASHMITHA	V	V	V	/	V	V	V	V	V	V
83.	4AL16ME718	RAVEENA	V	V	A	/	V	V	V	V	V	V
84.	4AL16ME719	SANTHOSH K B	V	V	V	/	V	V	V	V	V	V
85.	4AL17ME400	ASHIK RAI	V	V	V	/	V	V	V	V	V	V
86.	4AL17ME401	BHARATH N	V	V	V	/	V	V	V	V	V	V
87.	4AL17ME402	BINDUSHREE G R	V	V	V	/	V	V	A	V	V	V
88.	4AL17ME403	G N STHAVARMATH	V	V	V	/	V	V	V	V	V	V
89.	4AL17ME404	JANANI M	V	V	V	/	A	V	V	V	A	V
90.	4AL17ME405	JAYANTH S	V	V	V	/	V	V	V	V	V	V

**Coordinator**

H. O. D. HoD  
Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 576 101





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## DEPARTMENT OF MECHANICAL ENGINEERING

5194

91.	4AL17ME406	MAHESH KUMAR BO	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
92.	4AL17ME407	MOHANKIRSHNA M G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
93.	4AL17ME408	MOHSIN FAYAD KHAN	A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
94.	4AL17ME409	MUTTANNA BHANGI	✓	✓	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
95.	4AL17ME410	NAYAK RACHIT J	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
96.	4AL17ME411	PRASANNA V K	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
97.	4AL17ME413	PRAVEEN KUMAR YADAV	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	✓
98.	4AL17ME414	RANGARAJU R	✓	A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
99.	4AL17ME415	RAVI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
100.	4AL17ME416	RAVI E KANSOGI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
101.	4AL17ME417	SHASHIKANTH J	✓	✓	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
102.	4AL17ME419	VINAY KUMAR	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	✓

Coordinator

H.O. Q.   
 Dept. of Mechanical Engineering   
 Alva's Institute of Engg. & Technology   
 Mijar, MOODBIDRI - 574 225



Quiz on CATIA Course

1. Basic Catia V5: A part in Catia V5 has which suffix?  
A \*.CATPart  
B. \*.Model  
C. \*.Prt  
D. \*.Dwg
2. Basic Catia V5: Is "wrench-bonn?et\_string.CATPrduct" an acceptable filename in Catia?  
A. True  
B. False
3. Basic Catia V5: If you are missing a toolbar what do you do?  
A. Right-click on an icon and look for it there or check View Toolbars  
B. Start a different module of Catia and look for it there  
C. Close and start Catia again  
D. Close the open document and open it again
4. Basic Catia V5: An assembly in Catia V5 has which suffix?  
A. \*.Model  
B. \*.CATPart  
C. \*.Prt  
D. \*.CATProduct
5. Part Design: What is a draft feature?  
A. The function is often used when the part is going to be cast/forged/formed somehow with a tool  
B. It is a feature you can use for creating lines  
C. The function is often used within styling  
D. You can create a pad with fillets with this command
6. Part Design: The term "parametric" means that a solid geometry is controlled by driving dimensions.  
A. True; B. False
7. Part Design: When is it a good idea to use multi body techniques?  
A. For instance when designing complex and/or molded parts  
B. When assemble complex products  
C. When you have many surfaces  
D. When you need to create a drawing
8. Part Design: What is a skeleton?  
A. Help geometry that you can use as reference  
B. A thinwalled CATIA model  
C. Skeleton is another name for a sketch  
D. Skeleton is another name for a geometrical set.
9. Part Design: What is true about sketch-based features?  
A. You need at least one sketch to create them  
B. They can only be created in the PartBody (the first body)  
C. It is an isolated sketch  
D. They need a surface as parent element
10. Sketcher: When work is finished, why is it a good idea to use Sketch analysis?  
A. To verify that geometry in sketch is correct  
B. To measure geometry in sketch  
C. To change geometry in sketch  
D. To change color/thickness of geometry in sketch
11. Drafting: How do you create your first view (Front view)?  
A. Pick front view icon and pick a plane in the 3D viewer, Part or Assembly  
B. Copy the object from assembly or part and paste it on the drawing  
C. Pick a plane on object and right click choose in menu Front view  
D. Drag the part or assembly into the drawing sheet





# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

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## DEPARTMENT OF MECHANICAL ENGINEERING

### Quiz on CATIA Course

12. Sketcher: The Sketcher workbench is a standalone workbench that allows you to save a \*.CATSketch file

A. True; B. False

13. Drafting: How do you create your first view (Front view)?

A. Pick front view icon and pick a plane in the 3D viewer, Part or Assembly

B. Copy the object from assembly or part and paste it on the drawing

C. Pick a plane on object and right click choose in menu Front view

D. Drag the part or assembly into the drawing sheet

14. Drafting: When you create an exploded view you usually use a tool called Enhanced Scene. Why?

A. You can create an exploded view which doesn't affect the "master" product

B. You can create position balloons there

C. You can create a Bill of material list there

D. You can create an animated movie there

15. Drafting: In a detailed drawing are the views dependant of the CATPart's point of origin?

A. True; B. False

16. Assembly Design: What is the name of the command that makes it possible to create an exploded view?

A. Enhanced Scene

B. 3D split

C. Move

D. Assembly split

17. Surface Design: When shall you use the Join command? Discuss

A. When you want to join two or more surfaces or curves

B. When you want to join a solid body to a surface

C. When I need to connect a sketch to a surface

D. When I want to join a point to a curve

18. Surface Design: Is there a command to create a new surface from an existing surface with a fixed offset value?

A. Yes, just use "Offset" command in surface design

B. No, you must create this type of feature within solid design

C. No, you must create a new surface from new curves

D. Yes, just use "fixed Value" command in surface design

19. Basic Catia V5: What does the F3-button do?

A. Hide tree

B. Bring up Help

C. Show last part

D. Open Sketcher

20. Basic Catia V5: What does the F1-button do?

A. Bring up help

B. Hide toolbars

C. Open Sketcher

D. Close open window



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## DEPARTMENT OF MECHANICAL ENGINEERING

### FEEDBACK FORM

Five days Students Training Program

On

**"CATIA"**

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
<b>A.</b>	<b>Content</b>					
1	Understood the basics of <b>CATIA Modeling</b>				✓	
2	Understood the fundamental of <b>2D &amp; 3D modeling</b>					✓
3	Able to apply the 2D drafting techniques for the problems at the hand.				✓	
4	Understood the fundamentals Sketching				✓	
5	Able to do Real time application problems				✓	
<b>B</b>	<b>Presentation</b>					
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					✓
<b>C. How could this workshop be improved?</b> <div style="text-align: center;">— Nil —</div>						
<b>D. Any other comments or suggestions?</b> <div style="text-align: center;">— Nil —</div>						
<b>E. Overall, how would you rate this workshop?</b>						
<input type="checkbox"/>	Poor	<input type="checkbox"/>	Good			
<input type="checkbox"/>	Neither Good Nor Poor	<input checked="" type="checkbox"/>	Excellent			





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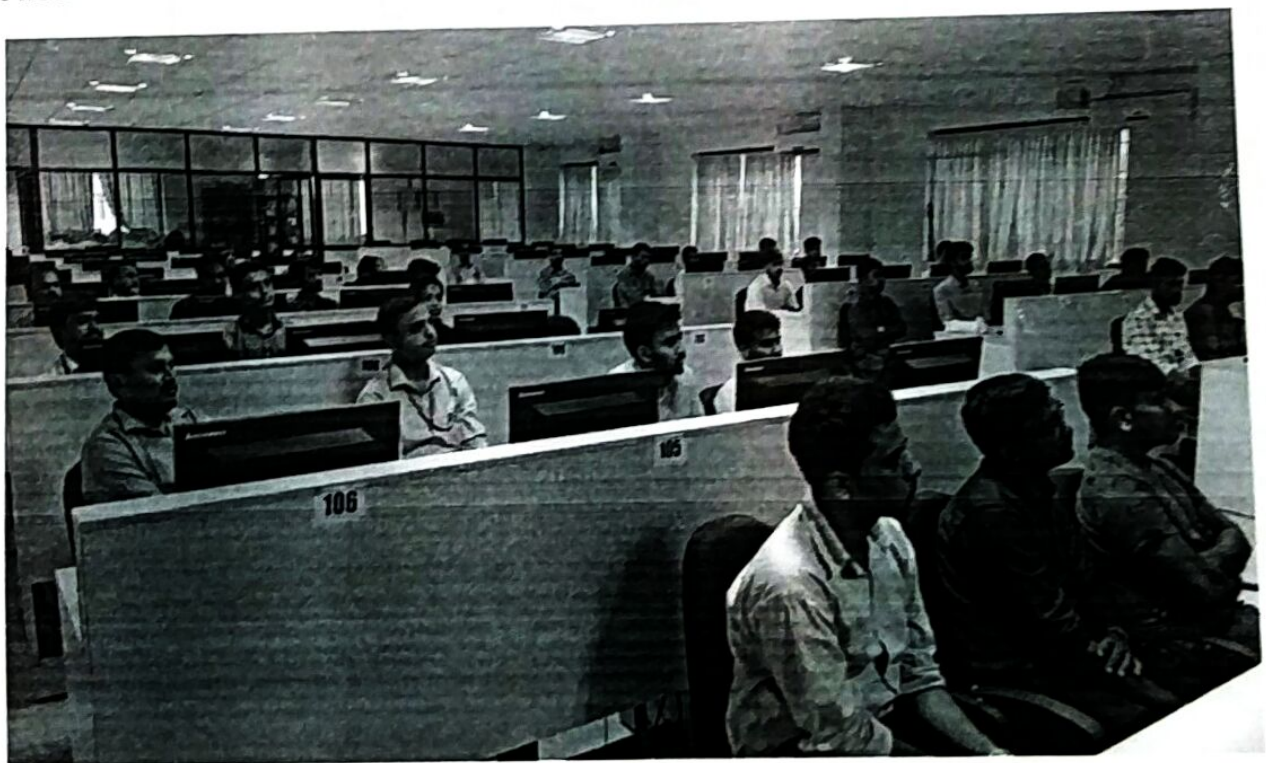
## DEPARTMENT OF MECHANICAL ENGINEERING

### Report on CATIA

The department of ME conducted a Five Days hands on students training program for the students of ME from 14-01-2019 to 18-01-2019, on every day on "CATIA" at AIET Moodbidri.

Mr. Kiran C H, Department of Mechanical Engineering AIET, Moodbidri delivered a comprehensive and in depth information about the Fundamentals of CATIA. Participants have enthusiastically participated and learnt the application building.

Photo



*[Signature]*  
H.O.D.

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODSIDRI - 574 225



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## Department of Mechanical Engineering

### ACADEMICS YEAR 2018-19

#### Summary Report of Add-on / Certificate program with its Outcomes

**Title of the Course:** CATIA TRAINING

**Course Outcomes:** The student have learnt to

- Do advanced solutions for conceptual design, 3D modeling, and documentation.
- Do product design, industrial design and styling (optimize form, fit, function and user experience), streamline 2D design, drafting, documentation with powerful tools for layout, drawing, and 3D annotation You will do assembly design, sheet metal design, and template based design
- Perform CAE geometry editing, comprehensive meshing, fine element assembly management, multi-CAE environments.

  
HOD

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225



# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MOOBBIDRI



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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 Training Program on "CATIA" from 14<sup>th</sup>  
January 2019 to 18<sup>th</sup> January 2019*

\_\_\_\_\_  
Mr. Hemanth S  
Coordinator

\_\_\_\_\_  
Head of the Department  
Mechanical Engineering

\_\_\_\_\_  
Dr. Peter Fernandes  
Principal  
AIET Moodbidri