

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

**Shobhavana Campus, Mijar – 574225, Moodbidri.**

**Dakshina Kannada Karnataka, India.**



**Department of Mechanical Engineering**

**CERTIFICATION COURSE**

**On**

**“Additive Manufacturing & 3D printing”**

**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

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Date: 9/7/2018

### CIRCULAR

All the students are hereby informed that there is a certification course on about **Additive Manufacturing and 3D Printing** which is scheduled from 16.07.2018 to 20.07.2018, which is conducted by Mr. Sreekanth M P & Mr. Suresh P S, AIET, Dept of mechanical engineering, moodbidri. Interested students kindly register your names on or before 05.07.2018.

  
**Head of the Department:**

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



# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri - 574 225

Phone: 08258-262725 Fax: 08258-262726

## DEPARTMENT OF MECHANICAL ENGINEERING

Date: 08/06/2018

### APPROVAL LETTER

To,

The Principal,  
AIET, Moodbidri

Respected Sir,

**Sub: - Approval for Organizing the Students Certification/Training Program on "Additive Manufacturing and 3D printing"-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 "**Additive Manufacturing and 3D printing**" from **16<sup>th</sup> July 2018 to 20<sup>th</sup> July 2018**".

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

Thanking you Sir.

  
**Coordinator:**

**Mr. Hemanth S**

  
**Head of the Department:**

**H.O.D.**  
**Prof. H. V. Suresh**  
Department of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

  
**Principal:**

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

Place: AIET, Moodbidri.

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

**DEPARTMENT OF MECHANICAL ENGINEERING**

Cordially invites you to the

**Inauguration of Certification Program**

On

**“ Additive Manufacturing And 3D Printing ”**

**Resource Person: Mr. Sreekanth M P & Mr. Suresh P S**

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**

❖ **Invocation**

❖ **Welcome Speech**

❖ **Introducing the Chief Guest**

❖ **Honoring the Chief Guest**

❖ **Inauguration**

❖ **Presidential Speech**

❖ **Vote of Thanks**



### 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 Additive Manufacturing And 3D Printing Course

Additive manufacturing refers to a process by which digital 3D design data is used to build up a component in layers by depositing material. The term 3D printing is increasingly used as a synonym for additive manufacturing. Manufacturing is a process in which raw materials are transformed into finished goods.

Increased applications such as 3D faxing sender scans a 3D object in cross sections and sends out the digital image in layers, and then the recipient receives the layered image and uses an additive manufacturing to fabricate the 3D object.

Additive manufacturing has been used across a diverse array of industries including; Automotive, aerospace, biomedical, consumer goods and many others

### COURSE CONTENT

1. Introduction to additive manufacturing
2. Additive manufacturing Processes
3. Present Conditions
4. AM Gaps and needs
5. Future aspects
6. 3D printing technology

### RESOURCE PERSON

**Mr. Sreekanth M P & Mr. Suresh P S**

Assistant Professor

Department of Mechanical Engineering, AIET  
Moodbidri

### Organizing committee

Mr. Madhu K N, Mr. Keshavanth B G, Mr. Srinivas C S,

Assistant Professor

Department of Mechanical Engineering AIET  
Moodbidri

### PROGRAM SCHEDULE

#### July 16, 2018

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

#### July 17, 2018

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

#### July 18, 2018

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

#### July 19, 2018

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

#### July 20, 2018

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 MECHANICAL ENGINEERING

- The following lists of students are here by informed to attend the Additive Manufacturing & 3D printing certification course from 16-20 July 2018

Additive Manufacturing & 3D printing REGISTRATION LIST		
SLN	USN	NAME
1.	4AL13ME134	ANOOP R B
2.	4AL14ME030	GURUMURTY J L
3.	4AL14ME031	HARSHA RAJ
4.	4AL14ME037	JYOTHISH KUMAR K P
5.	4AL14ME109	AISHWARYA P B
6.	4AL15ME005	ADITHYA K V
7.	4AL15ME007	AKASH
8.	4AL15ME008	AKASH B P
9.	4AL15ME013	ANAND MOHAN G
10.	4AL15ME014	ANISH A AMIN
11.	4AL15ME015	ANSON SUNIL HUNS
12.	4AL15ME016	ARASIKERI D
13.	4AL15ME017	ARJUN A A
14.	4AL15ME018	ARVIN JASON CRASTA
15.	4AL15ME022	POOJARY AVINASH H
16.	4AL15ME023	BHARATHESH HEGDE
17.	4AL15ME024	BHARATH KUMAR B U
18.	4AL15ME025	BHASKAR NAIK
19.	4AL15ME026	C ABHILASH
20.	4AL15ME028	CHRISTINA
21.	4AL15ME029	DARSHAN K S

Coordinator

Dept. C. E. & T.  
Alva's Institute of Engineering & Technology  
Mijar, MOODBIDRI - 574 225  
HOD



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## DEPARTMENT OF MECHANICAL ENGINEERING

22.	4AL15ME033	GIRISH
23.	4AL15ME034	HAMZA MOHAMMED H
24.	4AL15ME035	HARISH BALKUNDE
25.	4AL15ME036	HARSHA R
26.	4AL15ME037	HEMANTH KUMAR D
27.	4AL15ME038	JAMESON KEISHAM
28.	4AL15ME040	K V ADITH
29.	4AL15ME041	KALYANKUMAR
30.	4AL15ME042	KARTHIK K
31.	4AL15ME044	KIRAN RAMANAGOWDA
32.	4AL15ME045	KOUSHIK N
33.	4AL15ME046	LATHESH
34.	4AL15ME047	MAHALING SIDDAPPA
35.	4AL15ME049	MAHESH RAJU V
36.	4AL15ME050	MANISH
37.	4AL15ME051	MANOJ
38.	4AL15ME052	MANOJ KUMAR N S
39.	4AL15ME103	SUDARSHAN
40.	4AL15ME054	MAYYADDIN NAVEED
41.	4AL15ME055	MOHAMMED ILIYAZ
42.	4AL15ME056	MOINODIN SHA
43.	4AL15ME058	MUTTAPPA B KAMATI
44.	4AL15ME060	NANDISH KUMAR J N
45.	4AL15ME061	NAVEEN KUMAR S
46.	4AL15ME062	NIKHIL Y J

Coordinator

H. O. D.

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47.	4AL15ME063	NITHIN KUMAR N G
48.	4AL15ME064	PAVAN KUMAR B C
49.	4AL15ME065	PRANAVATHEERTHA K G
50.	4AL15ME066	PRASANNA S
51.	4AL15ME067	PRASHANT
52.	4AL15ME068	ANIKET H
53.	4AL15ME069	RAJATH
54.	4AL15ME070	RAMYASHREE
55.	4AL15ME071	RAVI SHIROSHI
56.	4AL15ME072	ROHAN N
57.	4AL15ME073	ROSHAN MANOJ A K
58.	4AL15ME075	SANJAY
59.	4AL15ME076	SHETTY SIDDHARTH D
60.	4AL15ME078	SHREEDHAR BANKAPUR
61.	4AL15ME079	SHRIDHAR G C
62.	4AL15ME080	SHRIDHAR PREMSING R
63.	4AL15ME081	SUNIL D R
64.	4AL15ME082	THIPPESHA B N
65.	4AL15ME083	UDIT PRAVEEN M
66.	4AL15ME085	VEERENDRA S
67.	4AL15ME087	VIDISH SHETTY
68.	4AL15ME089	VINAY S N
69.	4AL15ME091	VIRAL B
70.	4AL15ME092	VIRUPAKSHI S
71.	4AL15ME093	VISHAL G K

Coordinator

H. O. O. P.  
Dept. Of Mechanical Engineering  
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## DEPARTMENT OF MECHANICAL ENGINEERING

72.	4AL15ME094	VISHAL NAGENDRA C
73.	4AL15ME095	VISHAL R KALGUTKAR
74.	4AL15ME096	YANKAPPA KUMBAR
75.	4AL16ME400	ADARSH J
76.	4AL16ME403	ARUNKUMAR S
77.	4AL16ME404	BHUSHAN DAYANNAVAR
78.	4AL16ME406	DEEPAK H A
79.	4AL16ME407	DEEPAK TIRAKANNAVAR
80.	4AL16ME408	DHARMAVEERA B M
81.	4AL16ME001	ABDUL RAHIM
82.	4AL16ME005	AKASH PANKAJ
83.	4AL16ME026	MANISH HEGDE
84.	4AL16ME034	MOUNESH
85.	4AL16ME039	NIHAL RAJEEV N
86.	4AL16ME106	PAVAN KUMAR R
87.	4AL16ME055	RAKESH SHETTY
88.	4AL16ME101	MANOJ B
89.	4AL16ME706	CHANDRASHEKHAR
90.	4AL16ME707	FAKKIRESH BHAJANTRI
91.	4AL16ME715	MOHAMMED SOHAIL
92.	4AL17ME001	ABDUL RAHIMAN
93.	4AL17ME002	ABHIJITH
94.	4AL17ME003	ADITHYA NAYAK
95.	4AL17ME005	ADITHYA RATHORE
96.	4AL17ME007	AKSHAY KULAL

Coordinator

H. O. D.

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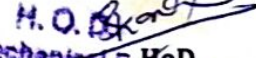
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## DEPARTMENT OF MECHANICAL ENGINEERING

97.	4AL17ME008	AKSHAY KUMAR S
98.	4AL17ME009	ALISAB MAHAMADSAB M
99.	4AL17ME010	ANSON DMELLO
100.	4AL17ME012	ARJUN R
101.	4AL17ME013	ASHUTOSH R S
102.	4AL17ME014	ASWIN THANKACHAN
103.	4AL17ME017	CHANDANA G S
104.	4AL17ME018	CHARAN M S
105.	4AL17ME019	CHINMAY GANESH K
106.	4AL17ME020	CHIRAG K R
107.	4AL17ME021	DEVARAJ P SATARADDI
108.	4AL17ME022	GIRISH L
109.	4AL17ME023	GURURAJ
110.	4AL17ME024	HARSHAVARDHANA A
111.	4AL17ME025	HARSHITH G B
112.	4AL17ME026	HEMANTH P
113.	4AL17ME027	HUSENBASHA
114.	4AL17ME028	INAMDAR PAVAN R
115.	4AL17ME030	KARAN H S
116.	4AL17ME031	KARTHIK PRABHU
117.	4AL17ME032	KISHOR H H
118.	4AL17ME033	KUNDER VIKRANT V
119.	4AL17ME034	LAXAMANNAB HEBBAL
120.	4AL17ME036	MITHESH GOWDA J R

  
Coordinator

H. O. B.   
Dept. Of Mechanical Engineering  
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## DEPARTMENT OF MECHANICAL ENGINEERING

### Additive Manufacturing & 3D printing-- ATTENDANCE REPORT-2018-19

SLN	USN	NAME(Caps Only)	16-07		17-07		18-07		19-07		20-07	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1.	4AL13ME134	ANOOP R B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.	4AL14ME030	GURUMURTY J L	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3.	4AL14ME031	HARSHA RAJ	✓	✓	✓	✓	✓	✓	A	✓	✓	✓
4.	4AL14ME037	JYOTHISH KUMAR K P	✓	✓	A	✓	✓	✓	✓	✓	✓	✓
5.	4AL14ME109	AISHWARYA P B	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
6.	4AL15ME005	ADITHYA K V	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
7.	4AL15ME007	AKASH	✓	✓	✓	✓	✓	✓	✓	A	✓	✓
8.	4AL15ME008	AKASH B P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9.	4AL15ME013	ANAND MOHAN G	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
10.	4AL15ME014	ANISH A AMIN	✓	✓	✓	✓	✓	✓	✓	✓	A	✓
11.	4AL15ME015	ANSON SUNIL HUNS	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
12.	4AL15ME016	ARASIKERI D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13.	4AL15ME017	ARJUN A A	✓	✓	A	✓	✓	✓	✓	✓	✓	A
14.	4AL15ME018	ARVIN JASON CRASTA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15.	4AL15ME022	POOJARY AVINASH H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16.	4AL15ME023	BHARATHESH HEGDE	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
17.	4AL15ME024	BHARATH KUMAR B U	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18.	4AL15ME025	BHASKAR NAIK	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
19.	4AL15ME026	C ABHILASH	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
20.	4AL15ME028	CHRISTINA	✓	A	✓	✓	A	✓	✓	✓	✓	✓
21.	4AL15ME029	DARSHAN K S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22.	4AL15ME033	GIRISH	✓	✓	✓	✓	✓	✓	✓	✓	A	✓
23.	4AL15ME034	HAMZA MOHAMMED H	✓	✓	✓	✓	✓	✓	A	✓	✓	✓

Coordinator

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

Prof. G. S. Srinivasan  
Head of Institute of **HOD**  
Muz, INDORE (M.P.) - 471 001





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## DEPARTMENT OF MECHANICAL ENGINEERING

48.	4AL15ME064	PAVAN KUMAR B C	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	✓
49.	4AL15ME065	PRANAVATHEERTHA K G	✓	✓	A	✓	✓	A	✓	✓	✓	✓	✓
50.	4AL15ME066	PRASANNA S	✓	✓	✓	✓	A	✓	✓	✓	✓	A	✓
51.	4AL15ME067	PRASHANT	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
52.	4AL15ME068	ANIKET H	✓	A	✓	✓	✓	✓	✓	A	✓	✓	✓
53.	4AL15ME069	RAJATH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
54.	4AL15ME070	RAMYASHREE	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
55.	4AL15ME071	RAVI SHIROSHI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
56.	4AL15ME072	ROHAN N	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
57.	4AL15ME073	ROSHAN MANOJ A K	✓	✓	✓	✓	✓	A	✓	✓	A	✓	✓
58.	4AL15ME075	SANJAY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
59.	4AL15ME076	SHETTY SIDDHARTH	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
60.	4AL15ME078	SHREEDHAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
61.	4AL15ME079	SHRIDHAR G C	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
62.	4AL15ME080	SHRIDHAR PREMSING	A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
63.	4AL15ME081	SUNIL D R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
64.	4AL15ME082	THIPPESHA B N	✓	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
65.	4AL15ME083	UDIT PRAVEEN M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
66.	4AL15ME085	VEERENDRA S	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
67.	4AL15ME087	VIDISH SHETTY	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
68.	4AL15ME089	VINAY S N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
69.	4AL15ME091	VIRAL B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
70.	4AL15ME092	VIRUPAKSHI S	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
71.	4AL15ME093	VISHAL G K	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓

Coordinator

H. O. D.  
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## DEPARTMENT OF MECHANICAL ENGINEERING

72.	4AL15ME094	VISHAL NAGENDRA C	✓	✓	✓	A	A	✓	✓	✓	✓	✓	✓
73.	4AL15ME095	VISHAL R KALGUTKAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
74.	4AL15ME096	YANKAPPA KUMBAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
75.	4AL16ME400	ADARSH J	✓	✓	✓	✓	✓	✓	✓	✓	A	✓	✓
76.	4AL16ME403	ARUNKUMAR S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
77.	4AL16ME404	BHUSHAN	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
78.	4AL16ME406	DEEPAK H A	✓	✓	✓	✓	✓	✓	✓	A	✓	✓	✓
79.	4AL16ME407	DEEPAK	A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
80.	4AL16ME408	DHARMAVEERA B M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
81.	4AL16ME001	ABDUL RAHIM	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
82.	4AL16ME005	AKASH PANKAJ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
83.	4AL16ME026	MANISH HEGDE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
84.	4AL16ME034	MOUNESH	✓	✓	A	A	✓	✓	✓	✓	✓	✓	✓
85.	4AL16ME039	NIHAL RAJEEV N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
86.	4AL16ME106	PAVAN KUMAR R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
87.	4AL16ME055	RAKESH SHETTY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
88.	4AL16ME101	MANOJ B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
89.	4AL16ME706	CHANDRASHEKHAR	✓	✓	✓	✓	A	A	✓	✓	✓	✓	✓
90.	4AL16ME707	FAKKIRESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
91.	4AL16ME715	MOHAMMED SOHAIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
92.	4AL17ME001	ABDUL RAHIMAN	✓	✓	✓	✓	✓	A	✓	A	✓	✓	✓
93.	4AL17ME002	ABHIJITH	A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
94.	4AL17ME003	ADITHYA NAYAK	✓	✓	✓	✓	✓	✓	✓	✓	A	✓	✓
95.	4AL17ME005	ADITHYA RATHORE	✓	✓	A	A	✓	✓	✓	✓	✓	✓	✓
96.	4AL17ME007	AKSHAY KULAL	✓	A	✓	✓	✓	✓	A	✓	✓	✓	✓

Coordinator

Dept. of Mechanical Engineering  
Alva's Institute of Engineering & Technology  
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Dept. Of Mechanical Engineering  
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# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri – 574 225

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## DEPARTMENT OF MECHANICAL ENGINEERING

### Quiz on Additive manufacturing & 3D printing work Course

1. Which one is NOT related to rapid prototyping definition?
  - a. layer by layer
  - b. physical model
  - c. from 3D CAD data
  - d. production line
2. Which one of the process is NOT using laser?
  - a. LOM
  - b. SLA
  - c. SLS
  - d. FDM
3. Which of the following are the process in RP cycle?
  - a. Post-processing
  - b. Transfer to machine
  - c. Pre-processing
  - d. All of the answers
4. Which of the process is available in colours?
  - a. SLA
  - b. FDM
  - c. MJM
  - d. 3D Printer
5. What is the full name of SLS?
  - a. Selective Laser Simulator
  - b. Sintering Laser Simulator
  - c. Selective Laser Sintering
  - d. Stereolithography Laser Sintering
6. What are the other name of Multi Jet Modeling?
  - a. FDM
  - b. Poly Jet
  - c. 3D Printer
  - d. Extrusion
7. Which one is the design process?
  - a. Build
  - b. Concept
  - c. Pre-processing
  - d. Transfer to machine
8. What is the format for prototyping machine file?
  - a. .prt
  - b. .slt
  - c. .stl
  - d. .iges
9. Which CAD software can not be used to create data for prototyping machine?
  - a. CREO
  - b. CATIA
  - c. NX UniGraphics
  - d. Adobe Illustrator
10. Which one of the process is subtractive prototyping?
  - a. 5 axis CNC Milling
  - b. Fused Deposition Modeling
  - c. Multi Jet Modeling
  - d. Stereolithography Apparatus
11. Which of the process, the input material are in solid form?
  - a. SLA
  - b. SLS
  - c. FDM
  - d. MJM
12. Which of the process, the input material are in liquid form?
  - a. LOM
  - b. SLS
  - c. FDM
  - d. MJM
13. Which material is NOT available for LOM process?
  - a. Paper
  - b. Plastic
  - c. Metal
  - d. Glass





**Quiz on Additive manufacturing & 3D printing work Course**

14. Which of the following is NOT the colour binder of 3D Printer?

- a. Cyan
- b. Black
- c. Magenta
- d. Yellow

15. Which of the following is the process of pre-processing stage?

- a. Remove support
- b. Checking 3D CAD data
- c. De-powdering loose material
- d. Dip in binder to strengthen the part



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## DEPARTMENT OF MECHANICAL ENGINEERING

### FEEDBACK FORM

Five days Students Training Program

On

### "Additive Manufacturing and 3D printing"

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
A.	Content					
1	Understood the basics of Additive Manufacturing				✓	
2	Understood the fundamental of Additive Manufacturing					✓
3	Able to apply the 3D printing techniques for the problems at the hand.					✓
4	Understood the fundamentals of materials to apply 3D printing				✓	
5	Able to do practical methodology on 3D printing				✓	
B	Presentation					
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					✓
C. How could this workshop be improved?						
- Nil -						
D. Any other comments or suggestions?						
- Nil -						
E. Overall, how would you rate this workshop?						
<input type="checkbox"/>	Poor	<input type="checkbox"/>			Good	
<input type="checkbox"/>	Neither Good Nor Poor	<input checked="" type="checkbox"/>			Excellent	



# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MOODBIDRI



A Unit of Alva's Education Foundation®  
(Affiliated to VTU, Belagavi and Approved by A.I.C.T.E., New Delhi)  
Shobharvana 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 "Additive Manufacturing  
and 3D printing" from 16<sup>th</sup> July 2018 to 20<sup>th</sup> July 2018*

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

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

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



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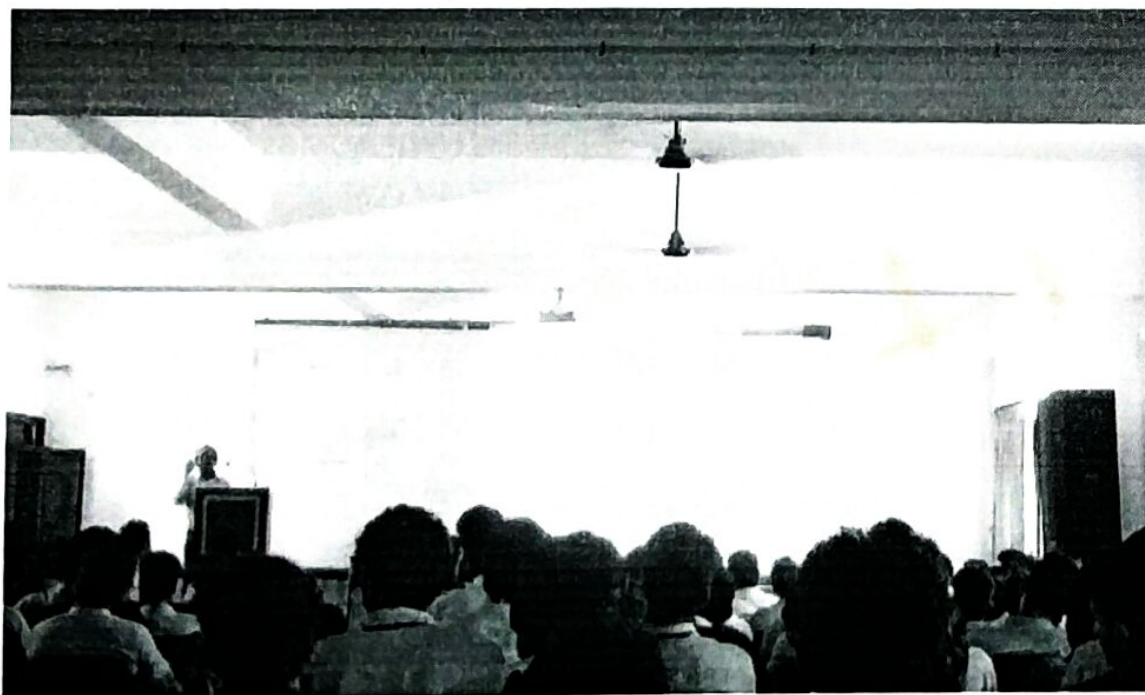
## DEPARTMENT OF MECHANICAL ENGINEERING

### Report on Additive manufacturing and 3D printing

The department of ME conducted a Five Days hands on students training program for the students of ME from 16-07-2018 to 20-07-2018 on "Additive manufacturing and 3D printing" at AIET Moodbidri.

Mr. Sreekanth M P & Mr.Suresh P S, Department of Mechanical Engineering AIET, Moodbidri delivered a comprehensive and in depth information about the Fundamentals Additive manufacturing and 3D printing, Techniques, Applications. Participants have enthusiastically participated and learnt the application building.

Photo



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