

Online Technical Talk on “3D
Printing Technology, Its Applications - FDM/FFF Parameters Explained”



VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI, KANNUR

Department of Mechanical Engineering

An online technical talk on

**3D printing technology, its applications -
FDM/FFF parameters explained**

Resource Person:

Date: 29 April 2020

Time: 10:00 AM

Platform: Google Meet

Targeted Audience: S6 ME (2017 – 2021 Batch)



JOSEPH MATHEW T
Managing Partner
INSTA3D TECHNOLOGIES LLP.

Convener:

Cdr. (Rtd.) Raju K K
(HoD, ME)

Coordinators:

Dr. Sreekanth M P (Asst. Prof. ME)
Prof. Jerin Saji (Asst. Prof. ME)



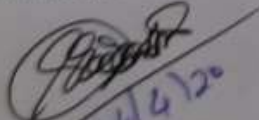
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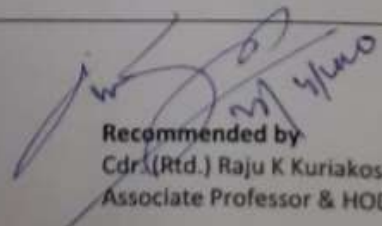
JYOTHI NAGAR, CHEMPERI - 670632, KANNUR D.T, KERALA
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EVENT PROPOSAL FORM

1	Event type and Name	Webinar on "3D PRINTING TECHNOLOGY, ITS APPLICATIONS - FDM/FFF PARAMETERS EXPLAINED"
2	Date and time	29-04-2020, 10.00 AM - 11.15 AM
3	Participants/audience	S6 ME students
4	Venue	Online Platform - Google meet
5	Objectives	The webinar is oriented to introduce knowledge on 3D printing technology as a whole and specifically about FDM / FFF technology.
6	Expected outcomes	The seminar will help the students to understand about 1. 3D Printing Technology and its types 2. Fused Deposition Modeling / Fused Filament Fabrication 3. Various process parameters of FDM / FFF technology
7	Connected POs/PSOs	PO5, PSO1
8	Resource requirements	Google meet
9	Any other Relevant Information	Resource person: Mr. Joseph Mathew T, Managing Partner, Insta3D, Coimbatore.
10	Responsible Persons	Coordinators: Dr. Sreekanth M P, Mr. Jerin Saji
11	Department	Mechanical Engineering

Proposal prepared by
Dr. Sreekanth M P, AP - ME


26/4/20


Recommended by
Cdr. (Rtd.) Raju K Kuriakose
Associate Professor & HOD, ME

Cdr.(rtd) RAJU
Associate Professor & HOD
Department of Mechanical Engineering
Vimal Jyothi Engineering College
Chempalli, Kannur, Kerala

estamp	NAME	CLASS	1. The speaker presented 2. The information presented was relevant to you n-4. You were pleased with POS: Modern Tool Usage PSO1: An ability to use cc 5. You were pleased with the online platform, Google Meet					
4/29/2020 1:53:46	GG	SE ME A	0	1	2	2	2	1
4/29/2020 13:05:24	Alan Joseph	SE ME B	3	3	3	3	3	3
4/29/2020 13:09:36	Eshwarth k	SE ME A	3	3	3	2	2	2
4/29/2020 13:09:43	Abhinav Ashok P V	SE ME A	3	3	3	3	3	3
4/29/2020 13:09:50	Pallavi Chandran	SE ME A	3	3	3	3	3	3
4/29/2020 13:11:08	Abhinand v p	SE ME A	3	2	3	2	2	3
4/29/2020 13:12:14	Mohammed Janis P v	SE ME A	3	2	3	2	3	2
4/29/2020 13:12:48	P VAISHAKH	SE ME A	3	3	3	3	3	3
4/29/2020 13:13:29	Amal Joy	SE ME A	3	3	3	3	2	3
4/29/2020 13:14:29	JITHIN K	SE ME A	2	2	2	2	2	2
4/29/2020 13:15:26	Akash Raju	SE ME B	3	3	3	2	2	2
4/29/2020 13:20:48	Vinayak S	SE ME A	3	2	3	3	3	3
4/29/2020 13:23:28	Anju Jayan	SE ME B	3	3	2	3	2	3
4/29/2020 13:24:25	Jacob Santhosh	SE ME A	3	3	3	3	3	3
4/29/2020 13:32:53	ASWIN KRISHNA A S	SE ME A	2	2	3	2	3	3
4/29/2020 13:47:31	Akhil Haridas	SE ME A	3	3	3	3	3	2
4/29/2020 13:49:07	VYSHNAV K	SE ME A	3	3	3	3	2	2
4/29/2020 13:52:29	Arun Balakrishnan A	SE ME A	3	2	3	3	2	3
4/29/2020 13:53:14	VAISHAKHAN K	SE ME A	2	3	3	3	3	3
4/29/2020 14:00:36	Adarsh Jyothis	SE ME A	3	2	2	2	2	2
4/29/2020 14:12:05	GOKUL S	SE ME B	3	2	3	3	3	3
4/29/2020 14:36:41	AmithKanth	SE ME B	3	3	3	3	3	3
4/29/2020 19:04:28	Akash Gopinath	SE ME A	3	3	3	3	3	3
4/29/2020 20:28:18	Akhil Kumar M K	SE ME B	3	3	3	3	3	3
4/29/2020 20:33:14	Aswin K	SE ME B	2	3	3	2	3	2
4/29/2020 20:42:45	Amith M	SE ME A	3	2	3	2	2	1
4/29/2020 22:18:26	Dhitha P P	SE ME A	2	3	3	2	2	2
4/30/2020 10:25:59	JOYAL SAJI	SE ME A	2	2	2	2	2	2

0 - Very Poor
1 - Poor
2 - Good
3 - Excellent

Signature
29/4/20

VIMAL JYOTHI ENGINEERING COLLEGE	
DEPARTMENT OF MECHANICAL ENGINEERING	
56 ME A (2017-18 BATCH)	
ATTENDANCE REPORT OF ONLINE SEMINAR ON 3D PRINTING TECHNOLOGY CONDUCTED ON 29/04/2020	
Sl No.	Name of the student present
1	ARSHITH P
2	ABHIRAM V P
3	ABHIRAJ ADRIK P V
4	ABHIRAM A T K
5	ADOSH R SARIN
6	ADWANTH JYOTHI S P
7	AKASH GOPINATH NAMBIAR
8	AKHIL KANDAS
9	AKSHAY A
10	AKSHAY K
11	ALBERT BENN AUGUSTINE
12	ALEX VINCENT
13	AMAL JOY
14	AMAL KISHORJI
15	AMAL TREV
16	ANSH ANIL ANTHOSE
17	ANSON T FRANCIS
18	ANSON KRISHNAN
19	ARUN BALAKRISHNAN A
20	ATHUL PRAMOD EK
21	ATHULRAJ M
22	AVINASH SUDHESH
23	BALAJI A
24	BHISHMI P P
25	GAUTHMAN K
26	HANMANTH NAMBIAH
27	JACOB SARTHOSH
28	JESHNU A
29	JITHIN K
30	JYAL SAB
31	MORHAMMED JANIS P V
32	MANDAKUMAR Y M
33	NIDHEE P V
34	NIDESH NIDHAN
35	NIDHAR KALLIL
36	PALLAVI CHANDRAN


Signature

Sl No.	Name of the student present
37	P VAISHAKH
38	RADHIKA M
39	RANDHIR DINESH
40	SANJAY C P
41	SHARATH K
42	SOURAV P P
43	SRIHARI MURALEEDARAN K P
44	STENNIN M JAMES
45	VAISHAKHAN K
46	VAISHNAVY PRABHAKARAN
47	VINAYAK GREEDHARAN
48	VYSHNAV K
49	AVINASH GANGADHARAN
50	SOURAV CHANDRASEKHARAN
51	AKASH BALACHANDRAN

VIMAL JYOTHI ENGINEERING COLLEGE	
DEPARTMENT OF MECHANICAL ENGINEERING	
50 ME B (2017-18 BATCH)	
ATTENDANCE REPORT OF ONLINE SEMINAR ON 3D PRINTING TECHNOLOGY CONDUCTED ON 29/04/2020	
Sl No.	Name of the student present
1	ABDUL MUJIB MUHAMMEDALI P A P
2	ABHINAV PRASAD P V
3	ADISH JOSE
4	ADARSH JAYADEVAN
5	ADARSH TK
6	ADWANTH P R
7	AKHIL KUMAR M K
8	ALEX JOSEPH
9	AMAL BABU
10	AMITHKANTH P V
11	ANRU JAYAN
12	AKASH RAJU
13	ARJUN T
14	ASWIN K
15	DANIEL PAUL LALAT
16	EDWIN VARGHESE
17	GOKUL S
18	JESHNU P C
19	JOMATH MATHEW
20	K SHIBIN SYAM
21	NANDAKRISHNAN V V
22	NIDHESH V C
23	NITHIN RAJAN K A P
24	RAED ABDUL MAJEED
25	SHIBIN KV
26	SOURAV RAJAN
27	SREERAG V V
28	STALIN JOHNSON
29	VISHNU V P
30	ADARSH HAREENDRAN

Post Event Impact Analysis Report

1	Event type and name	Type: Webinar Name: 3D PRINTING TECHNOLOGY, ITS APPLICATIONS - FDM/FFF PARAMETERS EXPLAINED	
2	Date and time	29-04-2020, 10 AM - 11.15 AM	
3	Participants/ audience	S6 Mechanical Engineering Students	
4	Venue	Google meet	
5	Outcomes of the event	The webinar will help the students to understand about.... 1. 3D Printing Technology and its types 2. Fused Deposition Modeling / Fused Filament Fabrication 3. Various process parameters of FDM / FFF technology	
6	Attainment level of outcomes	Average level of 3 attained	
7	Gist of feedback from the participants	Consolidated Responses of Feedback are attached	
8	Connected POs/COs	PO5, PO1	
9	Any other relevant information	NIL	
10	Responsible persons	Report prepared by Dr. Steekanth M P Mr. Jerin Saji	Approved by: HOD - ME


 25/4/20

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REC joseph mathew is presenting

- “ **Rapid prototyping** is the automatic construction of physical objects using additive manufacturing technology.”
- SFF or solid freeform fabrication
- FF or freeform fabrication
- Digital fabrication, AFF or automated freeform fabrication,
- 3D printing, solid imaging, layer-based manufacturing, laser prototyping and additive manufacturing.

3D PRINTING

People (80) Chat

VAISHAKHAN K 10:05 AM
Vaishakhan k
S6MEA
50

nanda kishorv 10:05 AM
Nandakishor
S6ME B
Roll no:40

Amith kanth 10:05 AM
AmithKanth
S6 ME B
18

Alen Joseph 10:06 AM
Alen Joseph
S6 ME B
15

Type here to search

10:19 AM
29-04-2020

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https://meet.google.com/wyk-xvvp-dhk

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REC joseph mathew is presenting

Fused Deposition Modeling (FDM)

Support material filament
Build material filament
Extrusion head
Drive wheels
Liquifiers
Extrusion nozzles

Foam base
Build platform
Part
Part supports

Support material spool
Build material spool

People (80) Chat

Amal Babu 10:12 AM
Amal Babu
S6ME B
Roll no 16

Vinayak 10:13 AM
Vinayak
S6-ME-A
Roll No. 53

akhil kumar 10:13 AM
Akhil Kumar m k
12
S6 ME B

stenin m james 10:13 AM
Stenin M James
S6 ME-A
Roll no-49

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10:21 AM
29-04-2020