



राष्ट्रीयइलेक्ट्रॉनिकीएवंसूचनाप्रौद्योगिकीसंस्थान,कालीकट
National Institute of Electronics & Information Technology, Calicut



सत्यमेव जयते

Ministry of Electronics and
Information Technology
Government of India

On-line Courses Prospectus

ISO 9001-2015 Certified

Certificate Course on 3D Printing/ Additive Manufacturing
with FDM

1st December 2022 to 14th December 2022
(2hrs daily)

Course Description

3D Printing/ Additive Manufacturing (3DP/AM) is an emerging technology showing potential to reach new markets and create new jobs. 3DP/AM enthusiasts have an easier access towards Fused Deposition Modeling (FDM) based technology. This course will help the candidate to make use of the full potential of FDM Technology

[Click Here to Register](#)

Who can attend?

Any under graduate/diploma student with basic knowledge of Design and 3D Printing/ Additive Manufacturing.

- Students pursuing Engineering
- Professionals working on design & development activities and others who would like to develop competency in additive manufacturing
- Research students
- Teaching professionals & faculties
- 3D Printing/ Additive Manufacturing Enthusiasts

Course Content

Session	Topic	Day
1.	Introduction to 3D Printing/ Additive Manufacturing with Fused Deposition Modeling and Applications	1
2.	Fused Deposition Modeling Technology Process Chain	2
3.	Firmware for FDM Machines	3
4.	Calibration for FDM Machines	4
5.	Advanced Slicing using Ultimaker Cura	5, 6 & 7
6.	Design Guidelines	8
7.	Remote Control and Monitoring using Octo Print	9
8.	Post Processing	10

*** - No class on Saturdays and Sundays**

Prerequisite

- Knowledge of Engineering design
- Basic knowledge of computers

Fee and important dates

Fee	Rs. 2000/- (Including GST)
Last date for registration & payment	29th November 2022
Sharing of Link / passwords & other details	30th November 2022

Certificate

E-Certificate of participation will be mailed through registered email id after the completion of the course.

Minimum Requirements

- Attendees must have a computer system with a good internet connection.
- Computer System Configuration – Windows OS 7/8/10, i3/i5, 64bit, processor, Minimum 4GB RAM
- Link to attend the course shall be forwarded on **30th November 2022**

Faculty Profile

Qualification and experience of the faculty handling the sessions

1. Mr. Leelakrishnan E – Senior Consultant (M.E. CAD/CAM)

Course Coordinator

E. Leelakrishnan

Senior Consultant

9176030058(M), 0495 2287266- Exn-209(O)

Email: leelakrishnan@calicut.nielit.in

Terms and Conditions

1. *In case any registered candidate could not attend the online session due to technical issue at their side there will not be any refund of the course fee and the sessions will not be repeated.*
2. *In case the online course is cancelled /postponed due to some technical issue at NIELIT side and new date is not convenient to the candidate, our liability is limited to the refund of the course fee and NIELIT shall not be responsible for any consequential damages.*

For more details about our institution and facilities visit us

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Twitter: https://twitter.com/CAL_NIELIT

Facebook: <https://www.facebook.com/CAL.NIELIT>

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Autonomous Scientific Society of
Ministry of Electronics & Information Technology,
Govt. of India



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