



**AARUPADAI VEEDU
INSTITUTE OF TECHNOLOGY**
OMR, PAIYANOR, CHENNAI - 603104



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of HRD Initiative)

**VINAYAKA MISSION'S RESEARCH FOUNDATION
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY**

**Department of Mechanical Engineering & Institution Innovation Council (IIC)
In association with Entrepreneurship Development Cell (EDC)
Jointly organizes**

Employability Enhancement Skill Development Course - "Start-Up opportunities in Additive Manufacturing" from 16.11.2020 to 20.11.2020 (30 Hours)

The Department of Mechanical Engineering and Institution Innovation Council (IIC) – AVIT in association with Entrepreneurship Development Cell (EDC), organized an **Employability Enhancement Skill Development Course - "Start-Up opportunities in Additive Manufacturing" from 16.11.2020 to 20.11.2020 (30 Hours)**.

The expert speaker **Mr. Rahul Shivakumar**, Director, Shivaprema Project Consultant & Alumni of AVIT handled the hands on Workshop to enhance Employability skills of Final year students of Mechanical & Automobile Engineering. Total 145 Students had participated in the 30 Hours - Employability Enhancement program on Additive Manufacturing.

Day 1: Introduction to Additive manufacturing (3D printing) , Different types of Additive manufacturing (various printing technologies) Materials used for Additive manufacturing.

Day 2: CURA 4.6 (Slicing Software) - Interface Machine Configuration Print with quick print profile Basic Orientation, Adjusting your model, From SD card to print the file CURA Basic

Day 3: Creating 3D Modeling - Introduction to Assembly modeling- Applying standard mates, Fits & Tolerance - Advanced mates, Mechanical mates

Day 4: Printing of product using 3D printer - Rapid Prototyping Techniques in Solid - Rapid Prototyping Techniques in Liquid - Rapid Prototyping Techniques in Powder Prototype using Flash forge 3D Printer

Day 5: Rapid Prototyping Techniques in Powder Prototype using Flash forge 3D Printer - Assessment by Multiple choice questions.

Outcome: Students tends to meet with Industrial Demands in RPT. Students get to learn about the futuristic technology. Students get the chance to know about various functionalities of RPT Machines.

Event Photos:



Department of Mechanical Engineering
in association with
Institution Innovation Council (IIC) &
Entrepreneurship Development Cell (EDC) Jointly organizes



Employability Enhancement Skill Development Course - “Start-up Opportunities in Additive Manufacturing”

e-Certificate will be provided to all the participants



Duration : 16.11.2020 to 20.11.2020 (30 Hours)
Timing : 09:00 AM to 04:00 PM

Participants : Final Year (VII Sem) Mechanical &
Automobile Students

Dr. K. L. Shunmuganathan
Principal - AVIT

Prof. L. Prabhu,
Vice Principal (Admin.)- AVIT & HOD / Mech

No. of Credit : 2 Credit | Mode of Course : CAMU / MS Teams

For Admission Contact @ +91 87545 52018, +91 97894 81724, +91 87545 41024

Microsoft Teams Meeting Interface

Top Bar: You're recording You are recording this meeting. Make sure that you let everyone know that they are being recorded. Privacy Policy

Video Feed: A man in a white shirt is speaking. A white t-shirt is visible on a mannequin in the background.

People List (Right):

- PR PRAVEEN R, Organiser
- NAVEEN P 3441955600, Guest
- fazl 3441710513, Guest
- 3441053519, Sachin Sampat..., Guest
- 3441877502, s.gnana gokul, Guest
- 3441955505, Abhijith U (Gu..., Guest
- 3441955528, Ammar Ahmed ..., Guest
- 3441956505, Safa Mahmood..., Guest
- 3561955502, Eitho Shaji, Guest
- ABIN ZACHARIAH 34419556..., Guest
- ADARSH A C (3441853501), Guest
- Adithyan P 3441955511, Guest
- Adwalth MP 3441955513, Guest

Bottom Bar: Meeting controls including mute, video, chat, and a grid of participant icons.

Microsoft Teams Meeting Interface

Top Bar: You're recording You are recording this meeting. Make sure that you let everyone know that they are being recorded. Privacy Policy

Video Feed: A 3D CAD model of a Ganesha statue is shown in a software application window.

Software Application (Left Panel):

- Build Statistics:**
 - Build time: 1 hour 30 minutes
 - Flament length: 150.13 mm
 - Plastic weight: 8.09 g (0.31 lb)
 - Material cost: 0.27
- Show in Preview:**
 - Build table
 - Travel moves
 - Toolhead
 - Extruders
- Coloring:** Movement Speed
- Real-time Updates:**
 - Live preview tracking
 - Update interval: 1.0 sec
- Hardware:** USB, Ethernet
- Save Toolhead to Disk**
- Exit Preview Mode**

Software Application (Main View):

- Speed (mm/hr):** A color scale legend ranging from 200 (blue) to 4000 (red).
- 3D Model:** A Ganesha statue with a color gradient representing speed.
- Toolhead Position:** X: 8.000, Y: 6.000, Z: 10.700
- Animation:** Play/Pause, Previous, Next, Stop
- Control Options:** Only, Teams microphone

Bottom Bar: Meeting controls and a grid of participant icons.

Event link - Employability Enh... (6) | Microsoft Teams Microsoft Teams | Group Chat Downloads (48) WhatsApp

teams.microsoft.com/_/#/calling/19:meeting_ZDziOWMxOTITZDAxMy00YzM1LTkxYzUtMGlyOWExYmQ3YzY3@thread.v2/

Microsoft Teams

Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy Policy

rahul (Guest)

Employability Enhancement Skill Development Course on "Start-up Opportunities in Additive Manufacturing"

meetingAttendanc...csv

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