



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)

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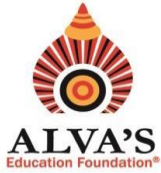
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Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka

Ph: 08258-262725; Mob:722262724,7026262725,mail:principalaiet08@gmail

DEPARTMENT OF MECHANICAL ENGINEERING

ADDITIVE MANUFACTURING & ITS IMPORTANCE



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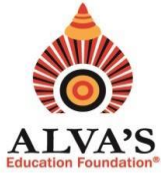
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TECHNICAL TALK REPORT

Objectives of the Technical talk:

Technical talks in engineering colleges serve several important objectives, both for students and faculty. These talks are designed to provide a platform for students to gain knowledge, exposure, and insights into various technical subjects and emerging trends in engineering. Here are the main objectives of technical talks in engineering colleges:

1. Technical talks are a means to disseminate knowledge on a wide range of topics, including new technologies, engineering innovations, and research findings.
2. These talk / interactions help students and faculty stay updated with the latest developments in their respective fields.
3. Technical talks enhance the educational experience by providing students with the opportunity to learn from experts in the field. These talks can cover topics beyond the curriculum and practical understanding of engineering concepts.
4. Inviting accomplished professionals and researchers as speakers can inspire students to set higher goals



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Report On

ADDITIVE MANUFACTURING AND ITS APPLICATIONS

Mode: OFF LINE

Date :27/05/2023

Resource Person: Dr. Roopa S

Associate professor of Polymer Science and Technology,
Sri Jayachamarajendra college of Engineering

Outcome:

1. Student realized the latest advancements in the field of additive manufacturing ‘
2. interdisciplinary engineering was clearly explained & understood by the students
3. During the question answer session students have clarified all their doubts

Department of Mechanical Engineering Introduction The purpose of this report is to summarize a technical talk on "Additive Manufacturing and Its Applications" delivered to engineering students. The talk aimed to provide an overview of additive manufacturing, commonly known as 3D printing, and highlight its diverse applications in various engineering fields

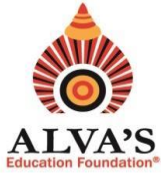
Overview of Additive Manufacturing: The talk commenced with an introduction to additive manufacturing. It explained that additive manufacturing is a process of creating three-dimensional objects by layering materials based on a digital model. Unlike traditional subtractive manufacturing techniques, such as cutting or machining, additive manufacturing builds objects layer by layer, offering greater design flexibility and customization.



Key Principles of Additive Manufacturing: The speaker discussed the key principles underlying additive manufacturing.



Digital Design: The process begins with a digital model of the object, created using computer-aided design (CAD) software or obtained from a 3D scan. Layer-by-Layer Construction: The object is divided into cross-sectional layers, and the printer adds material layer by layer, fusing



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or curing it to create the final product. **Material Selection:** Additive manufacturing employs a wide range of materials, including plastics, metals, ceramics, and composites, depending on the application requirements. **Post-Processing:** After printing, the object may require post-processing steps, such as curing, polishing, or painting, to achieve the desired final properties and appearance.

Applications of Additive Manufacturing: The talk explored the extensive applications of additive manufacturing in various engineering domains:

ANNEXURE



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Date -23/05/23

To

IQAC Chairman

AIET, Mijar

Respected Sir

Sub: Requesting for permission conduct a Technical talk

We are happy to inform you that Department of Mechanical Engineering, is planning to organize a technical talk on 27/05/23

The details are mentioned below, kindly request you do the needful.

Resource Person Details

Name: **Dr. Roopa S**

Designation: Asst. Professor, Tumkur. Siddaganga Institute Of Technology Tumkur,
Karnataka, India.

Title : **ADDITIVE MANUFACTURING & ITS IMPORTANCE**

Date: **27/05/23**

Mode : **OFFLINE**



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Aiet/Mech/AY2022-23/015

Date-23/05/23

CIRCULAR

All the students from Department of Mechanical Engineering, are hereby informed to attend the Technical Talk by **Dr. Roopa S, Professor, Asst. Professor, Tumkur. Siddaganga Institute Of Technology Tumkur, Karnataka, India.**

Date: 27/05/23

Time: 03:00 pm-05:00 pm

Title of the Talk: ADDITIVE MANUFACTURING & ITS IMPORTANCE

Venue : CAMD lab,

MODE: OFFLINE


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Principal table/Deans/HODs/AO/Office/---



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DEPARTMENT OF MECHANICAL ENGINEERING

FACULTY ATTENDANCE LIST

Sl.No.	Faculty Name	Signature
1	Dr. Satyanarayana	
2	Mr. Veerendra kumar	
3	Mr. Sharathchandra Prabhu	
4	Mr. G. B. Vaggar	
5	Mr. Hemanth Suvarna	
6	Mr. Suresh P S	
7	Mr. Sadashiv Bellubbi	
8	Mr. Kiran C H	
9	Mr. Pramod Badyankal	
10	Mr. M.R. Ganesh	
11	Mr. Kumar Swamy M.C	
12	Mr. Gopal Krishna U.B	
13	Mr. Deepak Kothari	
14	Mr. Srinivas C S	
15	Mr. Pramod kumar N	
16	Mr. Praveen K C	
17	Mr. Sudheer PN	

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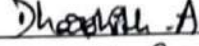


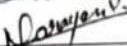


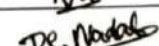
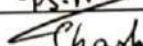



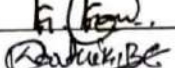
DEPARTMENT OF MECHANICAL ENGINEERING

STUDENT ATTENDANCE LIST

Semester : 6th semester

Sl no.	Name	USN	Sign
1	ADHWITH	4AL20ME001	Adwitya..
2	AKSHAR N	4AL20ME002	Akshar N
3	BABUGOUDA SHANKARAGOUDA	4AL20ME003	Babugouda
4	CHANDAN BHOSALE	4AL20ME004	Chandan
5	CH'RANTH H S	4AL20ME006	Chanth H S
6	DILEEP P R	4AL20ME007	Dileep P.R.
7	FRISON NIKHIL MARTIS	4AL20ME008	Frison
8	GIRISH B BANNIKOPPA	4AL20ME009	Girish B
9	JENNY FERNANDES	4AL20ME011	Jenny
10	MANOJ KUMAR KARNAM	4AL20ME012	Manoj
11	MANU K N	4AL20ME013	Manu K N
12	MOHAMMED SWAHID	4AL20ME014	M. Swahid
13	MOHAMMED FAHAD H	4AL20ME015	Mohammed
14	NAVYASHREE H B	4AL20ME016	Navyashree
15	PALLAVI P	4AL20ME017	Pallavi
16	PAVANKUMAR H R	4AL20ME018	Pavankumar
17	RAKSHITH S	4AL20ME019	Rakshith S
18	VARUN S BHANDARY	4AL20ME021	Varun S
19	VIGNESH	4AL20ME022	Vignesh
20	DODDAMALLAIAH	4AL21ME400	Doddamalliah
21	RAHUL KUMBAR	4AL21ME401	Rahul K
22	RAKESH KELAGADE	4AL21ME402	Rakesh Kelagade
23	SACHIN RATHOD	4AL21ME403	Sachin R
24	SANDEEP JARALE	4AL21ME404	Sandeep J

Semester : 4th semester

Sl no.	Name	USN	Sign
1	AJITH R	4AL21ME001	
2	AKHIL SHARMA K	4AL21ME002	
3	AKSHAY KRISHNA M	4AL21ME003	
4	CHARAN KUMAR	4AL21ME004	
5	DHARSHITH A	4AL21ME005	
6	MELVIN VINAY SERA	4AL21ME006	
7	MOHAMMAD SWALIH	4AL21ME007	
8	NARAYAN V	4AL21ME008	
9	NAVANEETH H SHETTY	4AL21ME009	
10	NITHIN M	4AL21ME010	
11	PAIGAMBAR S NADAF	4AL21ME011	
12	HASHWATH R GOWDA	4AL21ME013	
13	SUDESH D SHETTY	4AL21ME015	
14	KARTHIK VISWANATH DHANNUR	4AL22ME401	
15	PRAVEEN VEERAPPA CHAVADI	4AL22ME402	
17	KRISHNA KYADGIHALLI	4AL22ME403	
18	KARTHIK GOWDA B C	4AL22ME400	


Forum Coordinator


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FEEDBACK FORM

1. Name of the Resource Person : Dr. Roopa S, Professor

2. Topic of the Technical talk : ADDITIVE MANUFACTURING & ITS IMPORTANCE

**Please give feedback on how well this session met its objectives, indicate your response
by putting check mark to relevant box**

Sl. No.		Poor	Fair	Good	Very good	Excellent
		1	2	3	4	5
1	Relevance of the topic in today's scenario		13%	5%	35%	47 %
2	Clarity of the presentation		6%	20%	30%	44%
3	The presentation contained Practical examples & useful techniques that can be applied to current work			23%	62%	15%
4	The visual aids were effective				53%	47%
5	The resource person was knowledgeable about the topic & any related issues		2%	10%	59%	29%
6	Resource person clarified all queries			20%	61%	19%
7	How was your overall experience			3%	43%	54%

Any other comments : Participants had few queries regarding maintenance of regular lab.

Action Taken : all queries were answered by the resource person .


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