



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



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



Accredited by NAAC



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## DEPARTMENT OF MECHANICAL ENGINEERING

### CIRCULAR

Ref No:21-22/Even/Sem/11

30<sup>th</sup> May 2022

The Department of Mechanical Engineering is organising a one day Seminar for second and third year students on 02.06.2022. All students are requested to register and participate for the seminar.

The invitation is herewith attached.

**HOD**

Circulated to:	<ol style="list-style-type: none"><li>1. All the faculty members</li><li>2. All the students</li></ol>
Copy to	<ol style="list-style-type: none"><li>1. Principal Office</li><li>2. Department Notice Board</li></ol>



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## DEPARTMENT OF MECHANICAL ENGINEERING

*Cordially invites you all for*

### ADVANCED MANUFACTURING PROCESS

DATE & TIME: 2<sup>nd</sup> June 2022 & 11.15 AM

#### Resource Person

**Dr.A.K. LAKSHMINARAYANAN,**

Associate professor, Department of Mechanical Engineering,  
SSN College of Engineering

#### Presidential Address

**Dr.G.SELVAKUMAR**

Principal

#### Welcome Address

**Dr. L.PRABHU / VP Admin /HOD MECH, AVIT**

#### Coordinators

**Mr. A.ELANTHIRAIYAN & Mr.S. ASHOKKUMAR**

Assistant Professor (Gr- II) / MECH, AVIT



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## DEPARTMENT OF MECHANICAL ENGINEERING

### BROCHURE



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**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

Department of Mechanical Engineering  
in association with

Indian Institution of Production Engineers (IIPrE) Students Chapter



*Cordially invites you all for the Seminar on*

# Advanced Manufacturing Process

**02<sup>nd</sup> June 2022 @ 11.15 a.m | Digital Class Room**

#### Resource Person

**Dr. A.K Lakshminarayanan**  
Associate Professor  
Department of Mechanical Engineering  
SSN College of Engineering, Chennai



#### In the presence of

**Dr. G. Selvakumar,**  
Principal

**Dr. L. Prabhu,**  
VP (Admin.) & HoD, Mechanical

#### Event Coordinators

**Mr. A.Elanthiraiyan,** AP (Gr-II), Mech.

**Mr. S. Ashokkumar,** AP (Gr-II), Mech.

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING

Ref: 21-22/Even/Sem/11

Date: 03.06.2022

From

Mr. A ELANTHIRAIYAN  
Assistant Professor( Gr II)  
Mechanical Engineering  
Aarupadai Veedu Institute of Technology  
Paiyanoor-603 104

To

The Principal,  
Aarupadai Veedu Institute of Technology  
Paiyanoor-603 104

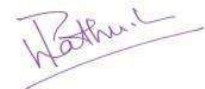
Respected Sir,

Sub: Submission of Mechanical Engineering Department Event-Report- Reg.

The Department of Mechanical Engineering has organized a one day online seminar on “**ADVANCED MANUFACTURING PROCESS**” Program on 03.06.2022. The report of the programme is herewith attached for your kind perusal.

Thanking you,

With regards,



Event Coordinators

HOD/MECH/AVIT

Mr.A ELANTHIRAIYAN & Mr. S ASHOKKUMAR

AP(G-II)/MECH/AVIT



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**DEPARTMENT OF MECHANICAL ENGINEERING  
&**

**IIPrE- STUDENTS CHAPTER**

**Report on the seminar “ADVANCED MANUFACTURING PROCESS”**



**2<sup>nd</sup> June 2022**

**No. of. Participants- 45**

**Resource person: Dr.A.K.LAKSHMINARAYANAN**, Associate professor, Department of mechanical Engineering, SSN College of Engineering. Department of Mechanical Engineering and Indian institute of production engineers student chapter together conducted a seminar on the topic “**ADVANCED MANUFACTURING PROCESS**” on 2<sup>nd</sup> June 2022. Welcome address was given by S.Ashokkumar ,Assistant professor(Gr-II)/MECH. Chief Guest introduction was given by Mr. Rajan kumar mandal, II Year Mechanical Engineering Student. Vote of Thanks was proposed by Mr.A.Elanthiraiyan, AP (Gr-II) /Mech.

**The topics covered in webinar:**

- Advanced solid-state welding and surface modification techniques
  - Friction stir welding
  - Rotary and Linear Friction welding
  - Friction surfacing
- Metal Additive Manufacturing (3D printing)
  - Friction stir additive manufacturing
  - Wire arc additive manufacturing
  - Laser based additive manufacturing

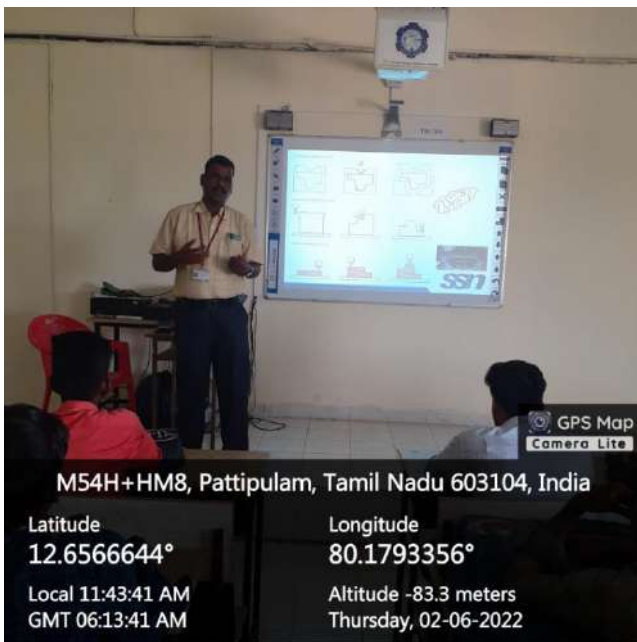
**Webinar Outcome**

- Students understood basic concepts and advances in solid and fusion welding processes
- Gained knowledge on the welding based additive manufacturing (3D printing).
- Students were exposed to the various research opportunities in advanced manufacturing

**Students Suggestion**

- To conduct the seminar on similar topics to inculcate research in the field of manufacturing.
- To arrange visit to the research lab facilities and industries working with advanced manufacturing process.





The webinar was coordinated by Dr.L.Prabhu HOD, Department of Mechanical Engineering.  
Mr. A. Elanthiraiyan & Mr. S.Ashokkumar, Assistant Professor (Gr-II)/Mech/AVIT event coordinators



**DEPARTEMNT OF MECHANICAL ENGINEERING**

**ONE DAY SEMINAR ON “ADVANCED MANUFACTURING PROCESS”**

**RESOURCE PERSON: Dr.A.K.LAKSHMINARAYANAN, ASSOCIATE PROFESSOR, SSN COLLEGE OF ENGINEERING.**

**PARTICIPANTS NAME LIST**

**DATE: 2.06.2022**

SL.NO	REG. NUMBER	NAME OF THE STUDENT	YEAR/SEM/SEC
1	3442010501	ABHIMANYU SINGH	II/IV
2	3442010504	AKASH KUMAR	II/IV
3	3442010506	CHANDAN KUMAR	II/IV
4	3442010507	GOPIKRISHNA H	II/IV
5	3442010511	PONNARASU S	II/IV
6	3442010512	RANJAN KUMAR MANDAL	II/IV
7	3442010516	UDHAYAM K	II/IV
8	3442010517	VASANTHRAJ R	II/IV
9	3442010520	YEDDULA DEEKESWAR REDDY	II/IV
10	3442120502	BALAJI P	II/IV
11	3442120504	GOKUL T	II/IV
12	3442120505	GOVARATHAN P	II/IV
13	3442120506	MADHAN RAJ L	II/IV
14	3442120507	MANIKANDAN M	II/IV
15	3442120508	MOHAMED RIYAS KHAN S	II/IV
16	3442120510	NIRMAL KUMAR M	II/IV
17	3442120516	SUGUMAR B	II/IV
18	3442120517	TAMIL SELVAN C	II/IV
19	3442120518	THARUN R	II/IV
20	3442120521	VIGNESH V	II/IV
21	3442120522	VIJAYAKUMAR A	II/IV
22	21MECH 2001	VYSHNAV	II/IV
23	3441873502	ANEES	III/VI
24	3441910501	ABHAY VERMA	III/VI
25	3441910513	DEVARJUN V S	III/VI
26	3441910523	MD JAFAR ALAM	III/VI
27	3441910524	MOHAMED RASHID A	III/VI
28	3441910526	NAUSHAD ALAM	III/VI
29	3441910530	RAHUL KUMAR	III/VI
30	3442020502	NITHISH S	III/VI
31	3442020504	UDHAYAKUMAR J	III/VI
32	3442020505	YOGESHWARAN D	III/VI
33	3442054501	DEEPAK P V	III/VI
34	3442155501	AMAL S	III/VI
35	3442155502	DIAZ K BIJU	III/VI
36	3442155503	JITHIN Y OOMMEN	III/VI
37	3442155504	MUHAMMED ALTHAF	III/VI
38	3162	RIBO JOHN ABRAHAM	III/VI
39	3163	JERIN MATHEW THOMAS	III/VI
40	3164	MELWIN P EBIN	III/VI
41	3165	AMAL SANTHOSH	III/VI
42	3442157554	ROHITH.YESODHARAN	IV/VIII/B
43	4022110502	ASHVITH KOTIAN	I/II/ME
44	4022110507	KEVIN GEORGE	I/II/ME
45	4022110509	PRADHYOTH.Y.S	I/II/ME



**DEPARTEMNT OF MECHANICAL ENGINEERING**

**ONE DAY SEMINAR ON “ADVANCED MANUFACTURING PROCESS”**

**RESOURCE PERSON: Dr.A.K.LAKSHMINARAYANAN, ASSOCIATE PROFESSOR, SSN COLLEGE OF ENGINEERING.**

**STUDENT'S  
FEEDBACK**

Timestamp	Email Address	STUDENT NAME	REGISTER NUMBER	DEGREE/ DEPT / YEAR / SEM /SEC	LEARNING VALUE FROM THE SEMINAR	THE SESSION WAS VERY HELPFUL TO UNDERST AND THE CONCEPTS CLEARLY	OVERALL EXPERIENCE ON PROGRAM WAS HELPFUL IN KNOWLEDGE &SKILL ENHANCEMENT
6/2/2022 12:25:32	rohithyesodharan19	ROHITH YESODH	3442157554	B.E/MECH/	5	5	5
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6/2/2022 12:31:50	vijayakumarsmart02	VIJAYAKUMAR.A	3442120522	B.E/MECH/	5	5	5
6/2/2022 12:32:12	deepakpv37@gmail.	Deepak pv	3442054501	B.E/MECH/	5	5	5
6/2/2022 12:32:21	j.udhaykumar2001@	J UDHAYAKUMA	3442020504	B.E/MECH/	5	5	5
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6/2/2022 20:21:11	rahulkumarpse10@	Rahul Kumar	3441910530	B.E/MECH/	4	5	4