



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S
RESEARCH FOUNDATION
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**DEPARTMENT OF MECHANICAL ENGINEERING
&
IIPrE- STUDENTS CHAPTER
Report on the seminar “ADVANCED MANUFACTURING PROCESS”**

2nd 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 2nd 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:

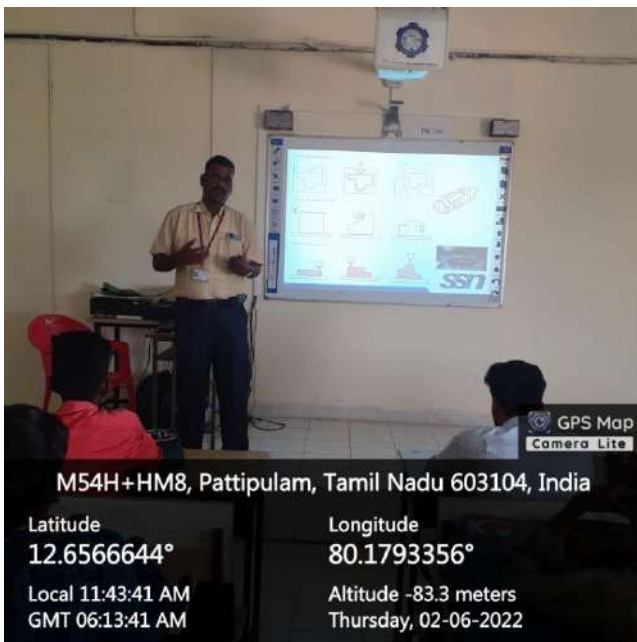
- Advanced solid-state welding and surface modification techniques
 - Friction stir welding
 - Rotary and Linear Friction welding
 - Friction surfacing
- Metal Additive Manufacturing (3D printing)
 - Friction stir additive manufacturing
 - Wire arc additive manufacturing
 - Laser based additive manufacturing

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