



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



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



## DEPARTMENT OF MECHANICAL ENGINEERING

### CIRCULAR

**Ref No: 25-26/Even/Mech/Sem 04**

**Date: 13.04.2026**

The Department of Mechanical Engineering is organizing a Seminar on Role of Nano Materials in Energy Sector on 10th April 2026. All the students are encouraged to actively participate and make the best use of this learning opportunity.

**HOD**

Circulated to:	1. All the faculty members 2. All the students
Copy to	1. Principal Office 2. Department Notice Board



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## **DEPARTMENT OF MECHANICAL ENGINEERING**

***Cordially invites you all for***

**ONE DAY SEMINAR ON**

**ROLE OF NANO MATERIALS IN ENERGY SECTOR**

**DATE & TIME: 10<sup>th</sup> APR 2026 & 10.00 AM**

### **Resource Person**

**Dr.L.POOVAZHAGAN  
ASSOCIATE PROFESSOR  
SSN COLLEGE OF ENGG**

### **Presidential Address**

**Dr.J.JANET**

**Principal**

### **Welcome Address**

**Dr.M.PRABHAHAR, Prof.  
HOD MECH, AVIT**

### **Coordinator**

**Dr.R.MAHESH**

**Assistant Professor (Gr-II), MECH/AVIT**



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**AVIT**  
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Vinayaka Missions Chennai Campus



*Cordially invites you to a seminar on*

## Role of Nanomaterials in Energy Sector



### Resource Person

**Dr. L. POOVAZHAGAN**  
Associate Professor  
Department of Mechanical Engineering  
SSN College of Engineering, Chennai

10 April 2026 | 10:30 AM

Bosch Lab, AVIT



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Chennai Campus



Accredited with  
A Grade by NAAC



Organized by

Department of Mechanical Engineering  
in association with Enfuse Students Chapter



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## DEPARTMENT OF MECHANICAL ENGINEERING

Ref No: 25-26/Even/Mech/Sem 04

Date: 13.04.2026

From  
Dr. R.Mahesh,  
Asst. Prof /Mech  
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, Aarupadai Veedu Institute of Technology, organised a Seminar on Role of Nano Materials in Energy Sector on 10<sup>th</sup> April 2026 at Bosch Lab. The report of the programme is herewith attached for your kind perusal.

Thanking you,

With regards,

Event Coordinator

HOD



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**DEPARTMENT OF MECHANICAL ENGINEERING  
&  
ENFUSE STUDENTS CHAPTER**



The Department of Mechanical Engineering, in association with the Energy & Fuel Users' Association of India (ENFUSE), organized a seminar on the topic "Role of Nano Materials in Energy Sector" on 10th April 2026. The programme commenced with a welcome address delivered by Dr. L. Prabhahar, Head of the Department of Mechanical Engineering. The Chief Guest was introduced by Mr. Surya, a III Year Mechanical Engineering student. Dr. L. Poovazhagan, Associate Professor at SSN College of Engineering, was the resource person for the seminar. A total of 23 students actively participated in the seminar. Their participation contributed to an engaging and interactive learning environment.

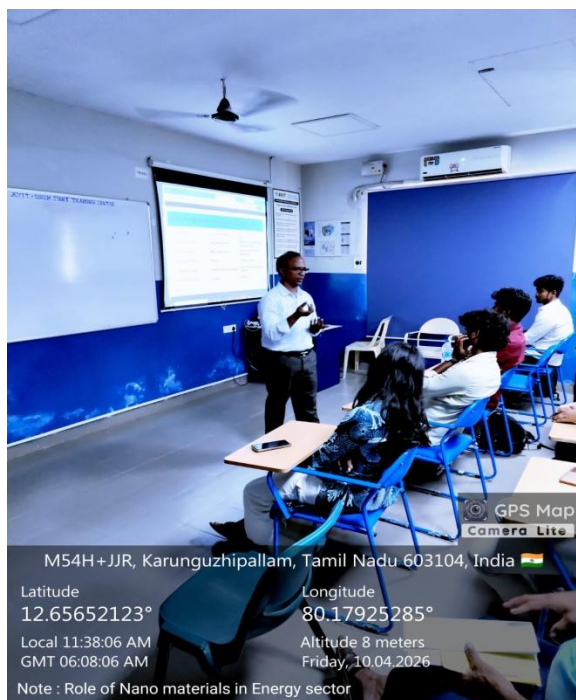
The seminar covered a comprehensive range of topics, including an introduction to nanomaterials and their various types, along with their applications in the energy sector. It highlighted the advantages of nanomaterials over conventional materials, particularly in enhancing efficiency and performance. The discussion also addressed both renewable and non-renewable energy sources, emphasizing the role of nanomaterials across different energy sectors. Special focus was given to their applications in solar, wind, and hydel energy systems, as well as their significance in advanced energy storage technologies.

**Outcome**

The seminar enabled students to understand the potential of nanomaterials in achieving higher energy efficiency across various applications. It also highlighted how nanomaterials enhance energy storage capabilities, particularly

in advanced batteries and super capacitors, thereby improving performance and reliability.

The session concluded with a vote of thanks proposed by Dr. R. Mahesh, Assistant Professor, Department of Mechanical Engineering.



**DEPARTMENT OF MECHANICAL ENGINEERING**

Seminar on Role of Nanomaterials in energy sector

## ATTENDANCE SHEET

SL.NO	REG. NO	NAME OF THE STUDENT	YEAR	SIGNATURE
1	3442510507	T. Vijay Babu.	I <sup>st</sup> MECH	T. Vijay Babu
2	3442510502	K. SURIYA	II <sup>nd</sup> MECH	K. Suriya
3	3442510502	A. Lishith Varma	I <sup>st</sup> mech	A. Lishith
4	3442510503	ANKUSH KUMAR	I <sup>st</sup> MECH	ANKUSH
5	3442510511	V. Vishwa	I <sup>st</sup> mech	V. Vishwa
6	3442510504	Badri Prasanna IT	I <sup>st</sup> MECH	Badri
7	3442510508	MUKESH VARAN	I <sup>st</sup> mech	MUKESH
8	3602510539	K. MOKSHAJA	I <sup>st</sup> CSE(CS)	K. Mokshaja
9	3602510510	A. Shashindra	I <sup>st</sup> CSE(CS)	A. Shashindra
10	3602510527	P. Vijaykumar	I <sup>st</sup> CSE(CS)	P. Vijaykumar
11	3602510518	Ch. Maheswara reddy	I <sup>st</sup> CSE(CS)	Ch. Maheswara reddy
12	3602510505	A. Abhiteja Simha	I <sup>st</sup> CSE(CS)	A. Abhiteja Simha
13	3602510537	K. Saichandramanideep	I <sup>st</sup> CSE(CS)	K. Saichandramanideep
14	3602510528	S. SAI SHARAN	I <sup>st</sup> CSE(CS)	S. SAI SHARAN
15	3602510506	A. Vishnu vardhan	I <sup>st</sup> CSE(CS)	A. Vishnu
16	3442510505	S. Divya lakshmi	I <sup>st</sup> Mech	S. Divya
17	3442420505	Thun Kumar - D	III <sup>rd</sup> Mech	Thun Kumar
18	3442420501	P. HARISH	III <sup>rd</sup> mech	P. HARISH


19	3442420503	Laurance Joshua . H	III <sup>rd</sup> (Med) year	<u>Handwritten</u>
20	3442420504	S. Seralathan	III <sup>rd</sup> (Med) year	<u>Handwritten</u>
21	3442455504	S. Rohith	III <sup>rd</sup> (Med) year	S. Rohith
22	3442510512	V. Chandra Sekhar	IV <sup>th</sup> - MECH.	V. Chandra Sekhar
23	3442420502	P. JAGADEESHWARAN	VII <sup>th</sup> YR. MCA	P. JAGADEESHWARAN
24				
25				
26				
27				
28				
29				
30				


**GUEST LECTURE / SEMINAR FEEDBACK FROM PARTICIPANTS**

 SEMESTER: EVEN  
 DEPT : MECHANICAL ENGINEERING

 ACADEMIC YEAR : 2025-2026  
 DATE: 10/4/26.

Name of the Participant	THENBUMAR
Prog., Branch, Sem & Sec (If Applicable)	Mechanical Engineering.
Designation & Organisation (If Applicable)	Student.
Title of the Lecture / Seminar	Nano technology.
Name of the Speaker(s)	Poovalazhagan.
Date & Time	10/4/26/10.00 Am.
Venue & Duration of Lecture	Bosh lab.
<b>Feedback from Participant (Maximum Marks 5)</b>	
1. Communication	5
2. Interaction	5
3. Presentation	5
4. Content	5
5. Learning Value	5
Total	25.
Any other Suggestions	The session was very informative.
Signature of the Participant	<i>[Signature]</i>

  
 Reviewed by Faculty In charge

  
 HOD



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**GUEST LECTURE / SEMINAR FEEDBACK FROM PARTICIPANTS**

SEMESTER: EVEN

ACADEMIC YEAR :2025-2026

DEPT :MECHANICAL ENGINEERING

DATE:

Name of the Participant	S. SERALATHAN
Prog., Branch, Sem & Sec (If Applicable)	B-E MECHANICAL (ENG.)
Designation & Organisation (If Applicable)	STUDENT
Title of the Lecture / Seminar	ROLE OF NONMETALIC IN ENERGY SECTOR
Name of the Speaker(s)	DR. L. POOVAZHAGAN
Date & Time	10/11/26
Venue & Duration of Lecture	Bosh Lab 10:30 AM
Feedback from Participant (Maximum Marks 5) 1. Communication 5 2. Interaction 5 3. Presentation 5 4. Content 5 5. Learning Value 5  Total 25	
Any other Suggestions	A Good, this section value
Signature of the Participant	<i>[Signature]</i>

*[Signature]*

Reviewed by Faculty In charge

*[Signature]*  
 HOD



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**GUEST LECTURE / SEMINAR FEEDBACK FROM SPEAKER**

SEMESTER: EVEN

ACADEMIC YEAR :2025-2026

DEPT :MECHANICAL ENGINEERING

DATE:

Name of the Speaker	Dr. L. Poorazhagan
Designation & Organisation	Asp   mech   SSN CE
Title of the Lecture / Seminar	Role of nanomaterials in Energy Sector.
Date & Time	10/4/26 & 10.30 Am 12.00 noon.
Venue	BOSCH LAB
Beneficiary	MECHANICAL STUDENTS
Duration of the Lecture	10.30am - 12.00 pm.
Suggestions of Speaker	Actually Actually Students interactions were good. - Final years Students would have benefited more from this lecture.
Signature	

Reviewed by Faculty In charge

HOD