

**VINAYAKA MISSION'S RESEARCH FOUNDATION**  
**(Deemed to be University)**  
**AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**CIRCULAR**

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

**Date: 18.09.2025**

The Department of Mechanical Engineering is organising a One Day Seminar on “Transforming Engineering Design – Role of CAE in Rapid Products Development” on 19.09.2025. All the students are requested to participate and register for the seminar. The invitation is herewith attached.



**HOD**

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



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S  
RESEARCH FOUNDATION**  
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**DEPARTMENT OF MECHANICAL ENGINEERING  
ASSOCIATION OF MECHANICAL ENGINEERS OF AVIT (AMEA)**

*Cordially invites you all for*

**One Day Seminar on  
“Transforming Engineering Design – Role of CAE in Rapid Product  
Development”**

**DATE & TIME: 19.09.2025 @ 10.00 am.**

**Resource Person**

**Mr. Bheshma Yogendra Kiran K**  
**Lead Engineer**  
**Mahindra and Mahindra**  
**Chennai**

**Welcome Address**

**Dr.M.Prabhahar/ HOD MECH, AVIT**

**Coordinator**

**Dr. S. Prakash, Assoc Prof / MECH/AVIT**  
**Dr. P. Kumaran, Asst Prof Gr-II /MECH/AVIT**



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY  
Vinayaka Missions Chennai Campus



Cordially invites you all to the

**Seminar on**

**Transforming Engineering  
Design - Role of CAE in Rapid Product  
Development**



**Resource Person**

**Mr. Bheshma Yogendra Kiran K**  
Lead Engineer  
Mahindra and Mahindra, Chennai



**19<sup>th</sup> September 2025 | 10:00 AM -11:50 AM**



**BOSCH LAB**

**Organized by: Department of Mechanical Engineering  
in association with Association of Mechanical Engineers of AVIT (AMEA)**



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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**ASSOCIATION OF MECHANICAL ENGINEERS OF AVIT (AMEA)**

**One Day Seminar on**  
**“Transforming Engineering Design – Role of CAE in Rapid Product Development”**

**PROGRAMME AGENDA**

Event Date & Time: 19.09.2025 & 09.30 am

Time	Description	Presented by
09.30 am	Start of the session by Coordinator	Dr. S. Prakash, Assoc Prof / MECH/AVIT
09.35 am	Welcome Address	Dr.M.PRABHAHAR PROFESSOR / HOD Department of Mechanical Engineering, AVIT
09.40 am	Transforming Engineering Design – Role of CAE in Rapid Product Development	Mr. Bheshma Yogendra Kiran K Lead Engineer, Mahindra and Mahindra, Chennai
11.30 am	Vote of Thanks	Dr. P. Kumaran, Asst Prof Gr-II/MECH/AVIT

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING

Ref: 25-26/Odd/Mech/Sem 04

Date:19.09.2025

From

Dr. S. Prakash,  
Associate Professor,  
Department of Mechanical Engineering,  
Aarupadai Veedu Institute of Technology,  
Paiyanoor.

To

The Principal,  
Aarupadai Veedu Institute of Technology,  
Paiyanoor.

Respected Sir,

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

The Department of Mechanical Engineering has organized a One Day Seminar on “**Transforming Engineering Design – Role of CAE in Rapid Product Development**”. 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

### Organizes

#### One Day Seminar on

**“Transforming Engineering Design – Role of CAE in Rapid Product Development”**

**Date:** 19.09.2025

**Organized by:** Department of Mechanical Engineering in association with the Association of Mechanical Engineers of AVIT (AMEA)

**Coordinators:** Dr. S. Prakash, Assoc Prof & Dr. P. Kumaran, Asst Prof Gr-II/MECH/AVIT

**Venue:** Bosch Lab

**No. of Students Participated:** 33

### Program Brochure

**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY  
Vinayaka Missions Chennai Campus

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

Accredited with 'A' Grade by NAAC

Cordially invites you all to the  
**Seminar on**  
**Transforming Engineering  
Design - Role of CAE in Rapid Product  
Development**

**Resource Person**  
**Mr. Bheshma Yogendra Kiran K**  
Lead Engineer  
Mahindra and Mahindra, Chennai

**19th September 2025 | 10:00 AM -11:50 AM** | **BOSCH LAB**

Organized by: Department of Mechanical Engineering  
in association with Association of Mechanical Engineers of AVIT (AMEA)

**VINAYAKA MISSION'S  
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Accredited with 'A' Grade by NAAC

### SDG Alignment

The seminar directly contributes to the following United Nations Sustainable Development Goals (SDGs):

- **SDG 9: Industry, Innovation and Infrastructure** – By exploring the role of Computer-Aided Engineering (CAE) in accelerating product development, the seminar highlighted how advanced simulation tools drive innovation, reduce design cycles and improve engineering infrastructure.

## Resource Persons:

**Mr. Bheshma Yogendra Kiran K**

**Lead Engineer, Mahindra and Mahindra, Chennai**

The resource person brought valuable insights from his industrial expertise in applying CAE tools for product innovation, rapid prototyping and optimization in the automotive sector.

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## Seminar Overview

A one-day seminar titled “*Transforming Engineering Design – Role of CAE in Rapid Product Development*” was organized by the Department of Mechanical Engineering in association with the Association of Mechanical Engineers of AVIT (AMEA) on 19th September 2025. The seminar aimed at providing insights into the applications of Computer-Aided Engineering (CAE) in modern product design, emphasizing its significance in accelerating development cycles, enhancing performance and promoting sustainable innovations.

The event commenced with a **welcome address** by **Dr. M. Prabhakar, Professor & Head, Department of Mechanical Engineering, AVIT**, who emphasized the growing importance of CAE in bridging the gap between traditional design practices and advanced engineering solutions. He highlighted the seminar’s objective of equipping students and researchers with knowledge of simulation tools and their role in achieving rapid and sustainable product development.

Following the welcome, **Dr. S. Prakash, Associate Professor, Mechanical Engineering, AVIT**, introduced the **Chief Guest and Resource Person, Mr. Bheshma Yogendra Kiran K, Lead Engineer, Mahindra and Mahindra, Chennai**. In his introduction, Dr. Prakash highlighted Mr. Bheshma’s professional expertise, contributions in the field of CAE and his significant role in driving innovations in automotive product development.

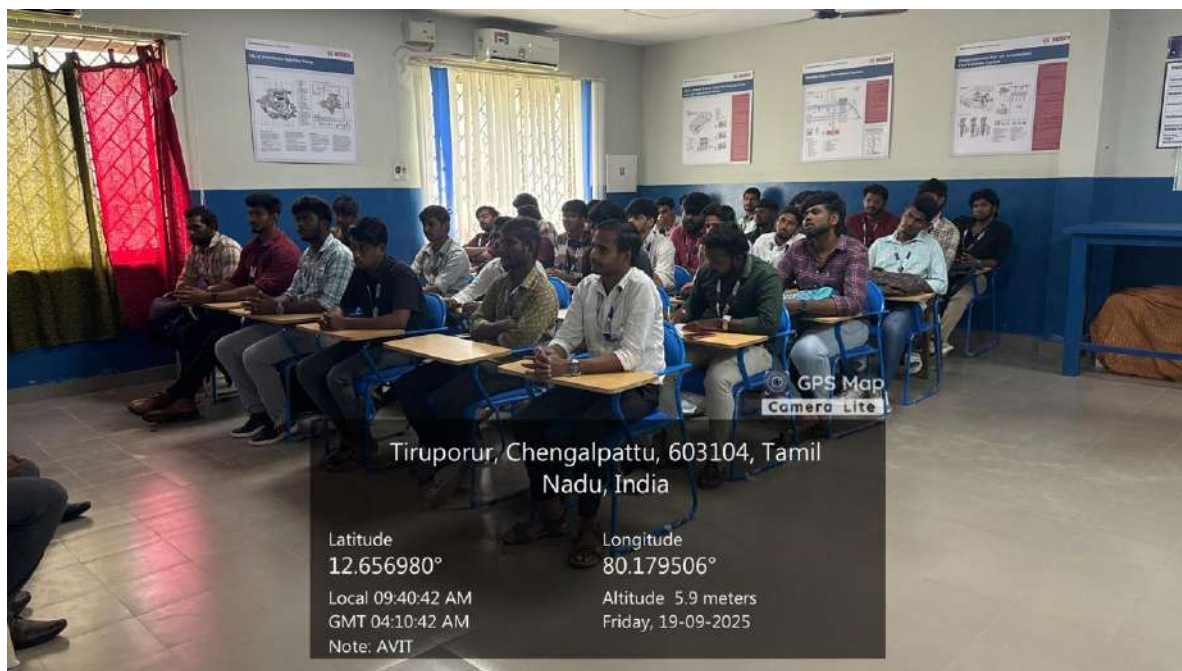
The **technical session** was then delivered by **Mr. Bheshma Yogendra Kiran K**, who shared his industrial expertise on the transformative role of CAE in modern engineering design. His presentation covered:

- The integration of CAE in various stages of product development.
- Real-world case studies from Mahindra & Mahindra showcasing applications of CAE in automotive design and testing.
- The impact of CAE tools on reducing design cycle times, optimizing structural performance and improving product reliability.
- Insights into the future of CAE with Industry 4.0 and digital twin technologies.

The session concluded with an engaging **Q&A discussion**, where students actively interacted with the resource person, gaining clarity on practical challenges, future career opportunities and emerging trends in CAE-driven product development.

The seminar ended with a **vote of thanks** delivered by **Dr. P. Kumaran, Assistant Professor Gr-II, Department of Mechanical Engineering, AVIT**, who acknowledged the contributions of the resource person, coordinators, faculty members and participants for making the seminar a fruitful knowledge-sharing platform.

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**Outcome:**

The seminar successfully provided students with valuable insights into the applications of Computer-Aided Engineering (CAE) in rapid product development.

Key outcomes include:

- Better understanding of CAE methodologies and their role in reducing design cycle time.
- Exposure to industrial practices and simulation tools such as ANSYS, HyperMesh, and CATIA.
- Inspiration to pursue careers in CAE, design engineering, and sustainable product development.

# Attendance Sheet



Department of Mechanical Engineering

In Association of Mechanical Engineers of AVIT (AMEA)

Seminar on

Transforming Engineering Design – Role of CAE in Rapid Products Development

Sl.No	Reg No	Students Name	Signature
01	3442210510	SUKUMAR RAY	
2	3442210508	NITHISH KUMAR	
3	3442113510	PRAVEEN V	
4	3442210511	SURYA R	
5	3442223501	SUGUMARAN. G	
6	3442310502	K. SURIYA	
7	3442420504	S. Seralathan	
8.	3442420505	THENKUMAR-D	
9	25265503	MUHAMMED FEBIN	
10	25-26-6502	DANISH VP	
11	3442453301	Abhishek. A	
12	25-26-6516	Sreejith S	
13	25-26-6563	SHINTO SABU	
14	25-26-6504	Mohammed Anshif. P	
15	3442210503	Girish Alexander	
16	3442320503	G. MUKILAN	
17.	3442310501	AKASH. A	
18.	25-26-RE-ME-704	Rajkumar	
19	3442210505	P. James Andrew	

Department of Mechanical Engineering

In Association of Mechanical Engineers of AVIT (AMEA)

Seminar on

Transforming Engineering Design – Role of CAE in Rapid Products Development

Sl.No	Reg No	Students Name	Signature
20	3AA2320501	GONDATI CHITRA	G. Chavan
21	3AA2320502	IMATHAN S	Imath
22	3442210502	DHANUSH M	m.dhanush
23	AVIT-25-26-6506	Aazimsalman	A. Azim
24	AVIT-25-26-6514	ZACHARIAS S	Zacharias
25	3442210526	KRISHNA KUMAR	Kumar. Krishna
26	3442210503	Ankit Kumar	Ankit k
27	3442453502	Gradwin Bijn	Gradwin
28	25-ME-5001	Jaganeshwari	Jaganeshwari
29	3442459501	P. Dhruv	P. Dhruv
30	3442320504	J. Naveenarand	J. Naveenarand
31	3442420503	H. Lawrence John	H. Lawrence John
32	3442420502	MADEECHWARANI P.	MADEECHWARANI P.
33	3442420501	HAVISH R	HAVISH

## Feedback by Guest

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY  
VINAYAKA MISSIONS UNIVERSITY

AVIT/GLSFBS/29(b)

### GUEST LECTURE / SEMINAR FEEDBACK FROM SPEAKER

SEMESTER: EVEN

ACADEMIC YEAR :2025-2026

DEPT :B.E.MECHANICAL

DATE:19/09/2025

Name of the Speaker	Mr. Bheshma Yogendra Kiran K
Designation & Organisation	Lead Engineer, Mahindra and Mahindra, Chennai. PH: 8056181949
Title of the Lecture / Seminar	Seminar on "Transforming Engineering Design- Role of CAE in Rapid Product Development"
Date & Time	19/09/2025 & 09.30 AM -11.00 AM
Venue	BOSCH LAB, AVIT
Beneficiary	3 <sup>rd</sup> and 4 <sup>th</sup> year Mech Students
Duration of the Lecture	1.5 Hour
Suggestions of Speaker	Very Grd ; Students are quiet and attentive . It can be slightly interactive .
Signature	K. Bheshma Yogendra Kiran K.



Reviewed by Faculty In charge

[Dr. S. PRACASH]



HOD

## Feedback by Students

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY  
VINAYAKA MISSIONS UNIVERSITY

AVIT/GLSFBP/29(c)

### GUEST LECTURE / SEMINAR FEEDBACK FROM PARTICIPANTS

SEMESTER: EVEN

ACADEMIC YEAR :2025-2026

DEPT :B.E.MECHANICAL

DATE:19/09/2025

Name of the Participant	Sukumar Ray
Prog., Branch, Sem& Sec (If Applicable)	B.E/ MECH/ VII
Designation & Organisation (If Applicable)	
Title of the Lecture / Seminar	Seminar on "Transforming Engineering Design- Role of CAE in Rapid Product Development"
Name of the Speaker(s)	Mr. Bheshma Yogendra Kiran K, Lead Engineer, Mahindra and Mahindra, Chennai.
Date & Time	19/09/2025 & 9:30 AM-11.00 AM
Venue & Duration of Lecture	BOSCH LAB, AVIT & 1.5 Hour
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	It's a very interactive & helpful for us for real world application.
Signature of the Participant	SRoy.

Reviewed by Faculty In charge

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VINAYAKA MISSIONS UNIVERSITY

AVIT/GLSFBP/29(c)


GUEST LECTURE / SEMINAR FEEDBACK FROM PARTICIPANTS

SEMESTER: EVEN


ACADEMIC YEAR :2025-2026

DEPT :B.E.MECHANICAL

DATE:19/09/2025

Name of the Participant	P. James Andrews,
Prog., Branch, Sem & Sec (If Applicable)	B.E/ MECH/ <u>VII</u>
Designation & Organisation (If Applicable)	
Title of the Lecture / Seminar	Seminar on "Transforming Engineering Design- Role of CAE in Rapid Product Development"
Name of the Speaker(s)	Mr. Bheshma Yogendra Kiran K, Lead Engineer, Mahindra and Mahindra, Chennai.
Date & Time	19/09/2025 & 9:30 AM-11.00 AM
Venue & Duration of Lecture	BOSCH LAB, AVIT & 1.5 Hour
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	No. Suggestion
Signature of the Participant	P. 

  
Reviewed by Faculty In charge

  
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VINAYAKA MISSIONS UNIVERSITY

AVIT/GLSFBP/29(c)

GUEST LECTURE / SEMINAR FEEDBACK FROM PARTICIPANTS

SEMESTER: EVEN


ACADEMIC YEAR :2025-2026

DEPT :B.E.MECHANICAL

DATE:19/09/2025

Name of the Participant	GUNDATI CHARAN												
Prog., Branch, Sem & Sec (If Applicable)	B.E/ MECH/ VII												
Designation & Organisation (If Applicable)													
Title of the Lecture / Seminar	Seminar on "Transforming Engineering Design- Role of CAE in Rapid Product Development"												
Name of the Speaker(s)	Mr. Bheshma Yogendra Kiran K, Lead Engineer, Mahindra and Mahindra, Chennai.												
Date & Time	19/09/2025 & 9:30 AM-11.00 AM												
Venue & Duration of Lecture	BOSCH LAB, AVIT & 1.5 Hour												
<b>Feedback from Participant (Maximum Marks 5)</b> <table><tr><td>1. Communication</td><td>5</td></tr><tr><td>2. Interaction</td><td>5</td></tr><tr><td>3. Presentation</td><td>5</td></tr><tr><td>4. Content</td><td>5</td></tr><tr><td>5. Learning Value</td><td>5</td></tr><tr><td>Total</td><td><u>25</u></td></tr></table>		1. Communication	5	2. Interaction	5	3. Presentation	5	4. Content	5	5. Learning Value	5	Total	<u>25</u>
1. Communication	5												
2. Interaction	5												
3. Presentation	5												
4. Content	5												
5. Learning Value	5												
Total	<u>25</u>												
Any other Suggestions	-												
Signature of the Participant	G. Charan												

  
Reviewed by Faculty In charge

  
HOL

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY  
VINAYAKA MISSIONS UNIVERSITY

AVIT/GLSFBP/29(c)

GUEST LECTURE / SEMINAR FEEDBACK FROM PARTICIPANTS

SEMESTER: EVEN

ACADEMIC YEAR :2025-2026

DEPT :B.E.MECHANICAL

DATE:19/09/2025

Name of the Participant	HAVIS H.R
Prog., Branch, Sem& Sec (If Applicable)	B.E/ MECH/ ✓
Designation & Organisation (If Applicable)	
Title of the Lecture / Seminar	Seminar on "Transforming Engineering Design- Role of CAE in Rapid Product Development"
Name of the Speaker(s)	Mr. Bheshma Yogendra Kiran K, Lead Engineer, Mahindra and Mahindra, Chennai.
Date & Time	19/09/2025 & 9:30 AM-11.00 AM
Venue & Duration of Lecture	BOSCH LAB, AVIT & 1.5 Hour
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	everything was good.
Signature of the Participant	P.HAVIS H

  
Reviewed by Faculty In charge

  
HOD

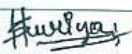
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GUEST LECTURE / SEMINAR FEEDBACK FROM PARTICIPANTS

SEMESTER: EVEN  
DEPT :B.E.MECHANICAL

ACADEMIC YEAR :2025-2026  
DATE:19/09/2025

Name of the Participant	K. SURIYA.
Prog., Branch, Sem & Sec (If Applicable)	B.E/ MECH/ SEM / III YEAR.
Designation & Organisation (If Applicable)	STUDENT.
Title of the Lecture / Seminar	Seminar on "Transforming Engineering Design- Role of CAE in Rapid Product Development"
Name of the Speaker(s)	Mr. Bhashma Yogendra Kiran K, Lead Engineer, Mahindra and Mahindra, Chennai.
Date & Time	19/09/2025 & 9:30 AM-11.00 AM
Venue & Duration of Lecture	BOSCH LAB, AVIT & 1.5 Hour
<p>Feedback from Participant (Maximum Marks 5)</p> <ol style="list-style-type: none"><li>1. Communication - (5)</li><li>2. Interaction - (5)</li><li>3. Presentation - (5)</li><li>4. Content - (5)</li><li>5. Learning Value - (5)</li></ol> <p>Total (25)</p>	
Any other Suggestions	Really helpful; more details explained.
Signature of the Participant	

  
Reviewed by Faculty In charge

  
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