



# RAMCO INSTITUTE OF TECHNOLOGY

North venganallur Village, Rajapalayam - 626 117  
Approved by AICTE, New Delhi, Affiliated to Anna University, NAAC, NBA  
Accredited and ISO 9001:2015 Certified Institution



## Department of Mechanical Engineering

Date: 09.11.2021

### Report – Guest Lecture on “Future Scope in CAE”

**Date:** 09.11.2021

**Time:** 03.00 PM To 03.45PM

**Venue:** CAD Laboratory

**Convenor :**

1. Mr.Ramar, AP/Mechanical

**Faculty Coordinators:**

1. Mr.S. Kathiravan, AP/Mechanical
2. Mr.P. Pavithran, AP/Mechanical

**Student Coordinators:**

1. Mr.S.Santhosh / IV-Mech – student chairman.
2. Mr.R.Madhavakannan / IV Mech – student vice chairman.
3. Mr.S.Jehaveerapandiyan / III Mech – Student program chair.

RIT-Mechanizo, Department of Mechanical Engineering organized a Intra disciplinary Extension Lecture Series ELS02 “Future Scope in CAE” on 9.11.2021, 03.00PM to 3.45PM. Mr.J.R.Jerlin Nafel, IV Year Mechanical, deliver a guest lecture. Totally 20 Participant attended the lecture. We have allotted last 5 few minutes for questionnaire session and resource person cleared the participant’s doubts and shared his experience. Mr.S.Santhosh, IV year Mechanical delivered the Vote of thanks and we got 15 feedbacks from the participants and they have mentioned topic was very useful to enrich their technical knowledge and requested to conduct more gest lectures like this.

**Topics discussed:**

- Introduction
- About CAE
- How it works(materials, load, constraints, results)
- About internship
- His internship project in ELEATION
- Results
- Conclusion

## Brochure Sample:



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*in association with*

## RIT MECHANIZO

### Intra Disciplinary Extension Lecture

### Series- ELS02

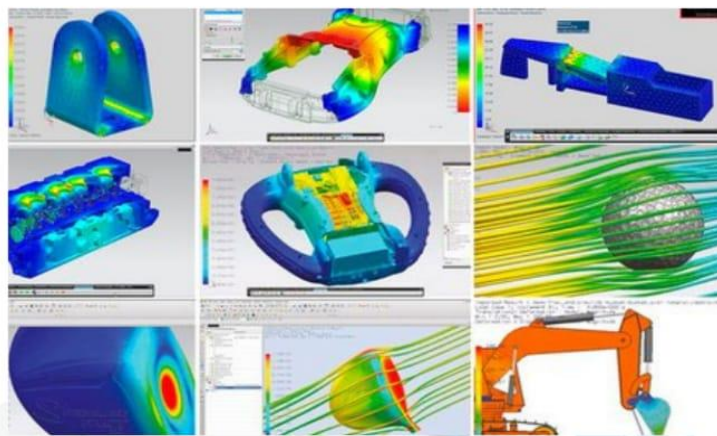
### Future Scope in CAE



**MR. J. R. JERLIN NAFEL**

IV year Mechanical  
RIT, RJPM

**NOV09, 2021**  
**3:00 PM TO 3:45 PM**



**Who can attend?**

- I, II, III & IV year Mechanical Engineering Students

For queries kindly contact us

Ph: 6369105815, 9384194633

Email : mech@ritrjpm.ac.in

#### Student Coordinators

Mr.S.Santhosh, IV-Mech, Student Chairman  
Mr.R.Madhavakannan, IV-Mech, Student Vice-Chairman  
Mr.S.Jehaveerapandiyan, III-Mech, Student Program Chair

#### FACULTY COORDINATOR (S)

Mr.S.Kathiravan, AP/Mech  
Mr.P.Pavithran, AP/Mech

#### CONVENOR

Mr.M.Ramar, AP/Mech

#### PATRON

Dr.S.Rajakarunakaran  
Vice Principal and Head /Mech

#### CHIEF PATRON

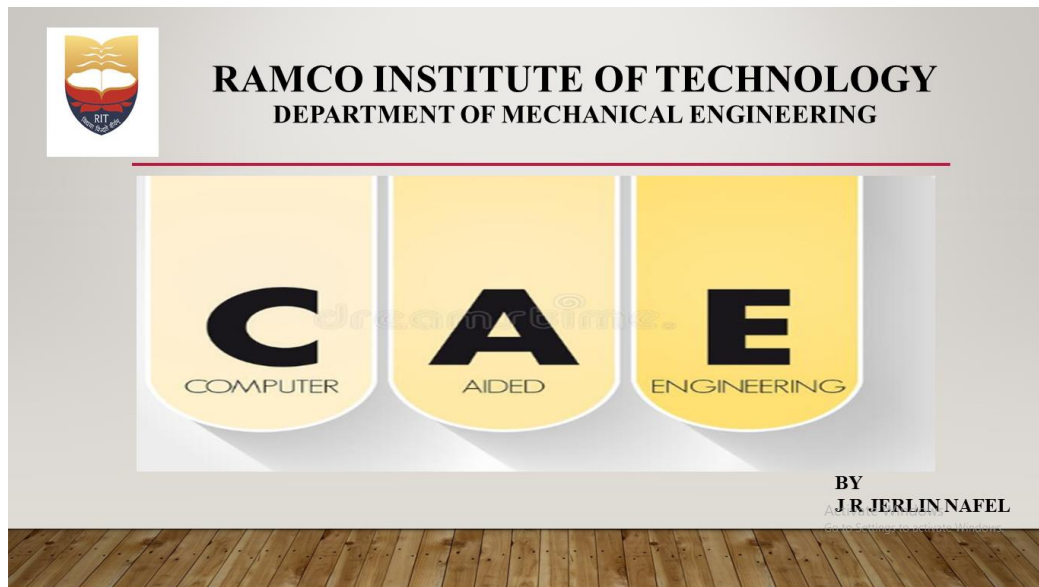
Dr.L.Ganesan  
Principal

<https://www.ritrjpm.ac.in/>

[rit@ritrjpm.ac.in](mailto:rit@ritrjpm.ac.in)

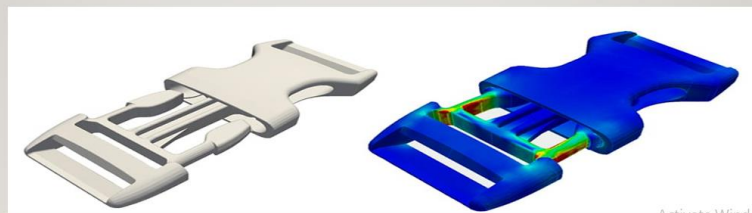
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## Glimpse(s):

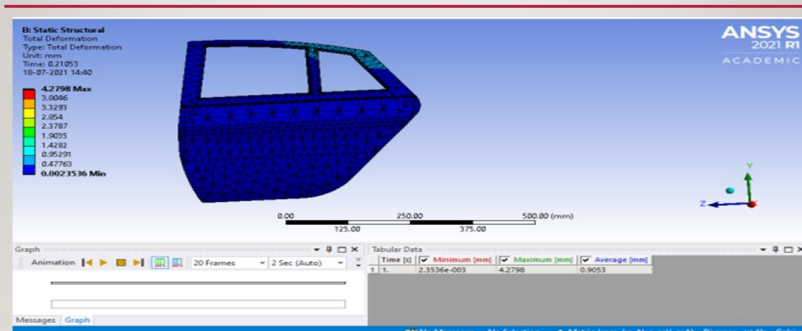


## Difference between CAD and CAE

- CAD is about creating or generating 3D model.
- CAE is about testing its characteristics (Material, strength, strain, stress, deformation, life...) using engineering methods





## CASE 1:







**Attendance Proof:**

 <b>RAMCO INSTITUTE OF TECHNOLOGY</b> North vengannallur Village, Rajapalayam - 626 117 Approved by AICTE, New Delhi, Affiliated to Anna University, NAAC, NBA Accredited and ISO 9001:2015 Certified Institution Department of Mechanical Engineering <b>RIT - MECHANIZO</b>				
			Date: 09.11.2021	
<b>Intra Disciplinary Extension Lecture Series ELS02 on "Future Scope in CAE"</b>				
SL.NO	REGISTER NO	NAME	YEAR / SECTION	SIGNATURE
1.	211E114342	Thiyaprath SAKTHI P	II - A	P. Thiyaprath
2.	211E114344	V. Sneha - S	II - A	V. Sneha
3.	211E114305	Arul Manis Akash. T	II - A	Arul Manis
4.	211E114315	Jeya Bhakthi - J	II - A	Jeya Bhakthi
5.	211E114310	S. DEVIAGURU	II - A	S. Deviaguru
6.	211E114334	V. Ramesh	II - A	V. Ramesh
7.	95362014009	V. Ganesh Marx	II - A	V. Ganesh Marx
8.	95362014019	A. Manoj Kumar	II - A	A. Manoj Kumar
9.	953618114050	M. Rajajothi	IV - B	M. Rajajothi
10.	953618114053	T. Bharanysa	IV - B	T. Bharanysa
11.	95361824039	S. Santhosh	IV - B	S. Santhosh
12.	95361911026	R. Chyamsundar	III - A	R. Chyamsundar
13.	953619114089	C. Thangam Durath	III - A	C. Thangam
14.	953619114005	T. Arun Prasath	III - A	T. Arun Prasath
15.	953619114007	R. Varthi Mahadev	III - A	R. Varthi Mahadev
16.	953619114018	d. d. Neel Pransh	III - A	d. d. Neel Pransh
17.	211E114337	T. Santhana Krishna	II - A	T. Santhana Krishna
18.	953619114020	S. Jaganmohanapandyan	III - A	S. Jaganmohanapandyan
19.	953618114001	P. Abinash	II - A	P. Abinash
20.	953618114003	J.R. Jeeva Prasad	II - A	J.R. Jeeva Prasad
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# Feedback:

## RAMCO INSTITUTE OF TECHNOLOGY Department of Mechanical Engineering

### Intra Disciplinary Extension Lecture Series-ELS02-Feedback Form

(Please fill-up the form to help us improve and maintain the quality of the programme)

Name of the Participant (Optional) : J. Jey Prakash  
Title of Programme / Course attended : Future Scope in CAE  
Date and Venue : 09.11.2021 and CAD Laboratory  
Name of the Resource Person / Speaker : Mr. J.R Jerlin Nafel, IV Year, Mechanical, RIT

(Please ✓ in appropriate box)

- a. How do you feel about the programme / course content?  
 Very Good  Good  Satisfactory  Poor
- b. How do you rate the lecture sessions / presentations? (if relevant)  
 Very Good  Good  Satisfactory  Poor
- c. How do you rate the practical sessions? (if relevant)  
 Very Good  Good  Satisfactory  Poor
- d. How do you rate the interactive sessions? (if relevant)  
 Very Good  Good  Satisfactory  Poor
- e. How do you rate the quality of course material given to you? (if relevant)  
 Very Good  Good  Satisfactory  Poor
- f. How do you rate the usefulness of programme in improving your skills?  
 Very Good  Good  Satisfactory  Poor
- g. To what extent you have improved your knowledge / skills after attending the programme?  
 85-95%  75-85%  50-75%  25-50%
- h. How do you rate the timely communication in all aspects of the programme? (if relevant)  
 Very Good  Good  Satisfactory  Poor
- i. How do you rate the overall arrangement and conduct of the programme / course?  
 Very Good  Good  Satisfactory  Poor
- j. Whether the contents discussed were relevant to the topics planned? Yes / No  Yes / No
- k. Would you like to have another programme by the same Resource person? Yes / No  Yes / No

l. Name the specific topic or session, which you liked most:

m. Any specific feedback:

Date: 9/11/21

  
Signature of Participant:

**RAMCO INSTITUTE OF TECHNOLOGY**  
**Department of Mechanical Engineering**

**Intra Disciplinary Extension Lecture Series-ELS02-Feedback Form**

(Please fill-up the form to help us improve and maintain the quality of the programme)

Name of the Participant (Optional) : *R. Thiyagnath Sathish*  
Title of Programme / Course attended : **Future Scope in CAE**  
Date and Venue : **09.11.2021 and CAD Laboratory**  
Name of the Resource Person / Speaker : **Mr. J.R Jerlin Nafel, IV Year, Mechanical, RIT**

(Please ✓ in appropriate box)

- a. How do you feel about the programme / course content?  
 Very Good     Good     Satisfactory     Poor
- b. How do you rate the lecture sessions / presentations? (if relevant)  
 Very Good     Good     Satisfactory     Poor
- c. How do you rate the practical sessions? (if relevant)  
 Very Good     Good     Satisfactory     Poor
- d. How do you rate the interactive sessions? (if relevant)  
 Very Good     Good     Satisfactory     Poor
- e. How do you rate the quality of course material given to you? (if relevant)  
 Very Good     Good     Satisfactory     Poor
- f. How do you rate the usefulness of programme in improving your skills?  
 Very Good     Good     Satisfactory     Poor
- g. To what extent you have improved your knowledge / skills after attending the programme?  
 85-95%     75-85%     50-75%     25-50%
- h. How do you rate the timely communication in all aspects of the programme? (if relevant)  
 Very Good     Good     Satisfactory     Poor
- i. How do you rate the overall arrangement and conduct of the programme / course?  
 Very Good     Good     Satisfactory     Poor
- j. Whether the contents discussed were relevant to the topics planned?    Yes / No
- k. Would you like to have another programme by the same Resource person?    Yes / No

l. Name the specific topic or session, which you liked most: *Electric Vehicles and Driverless Vehicles*  
m. Any specific feedback:

Date:

*R. Thiyagnath*  
Signature of Participant:

**RAMCO INSTITUTE OF TECHNOLOGY**  
**Department of Mechanical Engineering**

**Intra Disciplinary Extension Lecture Series-ELS02-Feedback Form**

(Please fill-up the form to help us improve and maintain the quality of the programme)

Name of the Participant (Optional) : S VIGNESH  
Title of Programme / Course attended : Future Scope in CAE  
Date and Venue : 09.11.2021 and CAD Laboratory  
Name of the Resource Person / Speaker : Mr. J.R Jerlin Nafel, IV Year, Mechanical, RIT

(Please ✓ in appropriate box)

- a. How do you feel about the programme / course content?  
 Very Good     Good     Satisfactory     Poor
- b. How do you rate the lecture sessions / presentations? (if relevant)  
 Very Good     Good     Satisfactory     Poor
- c. How do you rate the practical sessions? (if relevant)  
 Very Good     Good     Satisfactory     Poor
- d. How do you rate the interactive sessions? (if relevant)  
 Very Good     Good     Satisfactory     Poor
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 85-95%     75-85%     50-75%     25-50%
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 Very Good     Good     Satisfactory     Poor
- i. How do you rate the overall arrangement and conduct of the programme / course?  
 Very Good     Good     Satisfactory     Poor
- j. Whether the contents discussed were relevant to the topics planned?    Yes /  No
- k. Would you like to have another programme by the same Resource person?    Yes /  No

l. Name the specific topic or session, which you liked most: - CAE  
m. Any specific feedback: - Explanation is satisfactory  
Date: 9/11/2021  
Signature of Participant: *S. Vignesh*

**RAMCO INSTITUTE OF TECHNOLOGY**  
**Department of Mechanical Engineering**

**Intra Disciplinary Extension Lecture Series-ELS02-Feedback Form**

(Please fill-up the form to help us improve and maintain the quality of the programme)

Name of the Participant (Optional) : P. Abinash  
Title of Programme / Course attended : Future Scope in CAE  
Date and Venue : 09.11.2021 and CAD Laboratory  
Name of the Resource Person / Speaker : Mr. J.R Jerlin Nafel, IV Year, Mechanical, RIT

(Please ✓ in appropriate box)

- a. How do you feel about the programme / course content?  
 Very Good     Good     Satisfactory     Poor
- b. How do you rate the lecture sessions / presentations? (if relevant)  
 Very Good     Good     Satisfactory     Poor
- c. How do you rate the practical sessions? (if relevant)  
 Very Good     Good     Satisfactory     Poor
- d. How do you rate the interactive sessions? (if relevant)  
 Very Good     Good     Satisfactory     Poor
- e. How do you rate the quality of course material given to you? (if relevant)  
 Very Good     Good     Satisfactory     Poor
- f. How do you rate the usefulness of programme in improving your skills?  
 Very Good     Good     Satisfactory     Poor
- g. To what extent you have improved your knowledge / skills after attending the programme?  
 85-95%     75-85%     50-75%     25-50%
- h. How do you rate the timely communication in all aspects of the programme? (if relevant)  
 Very Good     Good     Satisfactory     Poor
- i. How do you rate the overall arrangement and conduct of the programme / course?  
 Very Good     Good     Satisfactory     Poor
- j. Whether the contents discussed were relevant to the topics planned?    Yes / No
- k. Would you like to have another programme by the same Resource person?    Yes / No
- l. Name the specific topic or session, which you liked most:
- m. Any specific feedback:

Date: 7. 11. 21

Signature of Participant: P. Abinash



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**Department of Mechanical Engineering**

**Intra Disciplinary Extension Lecture Series-ELS02-Feedback Form**

(Please fill-up the form to help us improve and maintain the quality of the programme)

Name of the Participant (Optional) :  
Title of Programme / Course attended : **Future Scope in CAE**  
Date and Venue : 09.11.2021 and CAD Laboratory  
Name of the Resource Person / Speaker : Mr. J.R Jerlin Nafel, IV Year, Mechanical, RIT

(Please ✓ in appropriate box)

- a. How do you feel about the programme / course content?  
 Very Good     Good     Satisfactory     Poor
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- c. How do you rate the practical sessions? (if relevant)  
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- d. How do you rate the interactive sessions? (if relevant)  
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- e. How do you rate the quality of course material given to you? (if relevant)  
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- f. How do you rate the usefulness of programme in improving your skills?  
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- g. To what extent you have improved your knowledge / skills after attending the programme?  
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- h. How do you rate the timely communication in all aspects of the programme? (if relevant)  
 Very Good     Good     Satisfactory     Poor
- i. How do you rate the overall arrangement and conduct of the programme / course?  
 Very Good     Good     Satisfactory     Poor
- j. Whether the contents discussed were relevant to the topics planned?    Yes / No
- k. Would you like to have another programme by the same Resource person?    Yes / No
- l. Name the specific topic or session, which you liked most:
- m. Any specific feedback:

Date:

*A. Manoj Kumar*  
Signature of Participant: