

# course exit form

\* Required



SARASWATI Education Society's  
**SARASWATI College of Engineering**

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410210.

1. FULL NAME OF THE STUDENT \*

2. ROLL NUMBER \*

3. E-MAIL \*

1. Chassis and  
body engineering  
(AEC601)

Statement that describe what students are expected to know and  
would be able to do by the time of completion of course.

I. Course Outcomes: After completion of the course, you are able to  
The Degree of relevance as mentioned below:

- 5 - Definitely
- 4 - Mostly
- 3 - Moderately
- 2 - Hardly
- 1 - Can't say

4. \*

Mark only one oval per row:

5      4      3      2      1

**CO1 - Describe  
different types of  
vehicle body design**

5. \*

Mark only one oval per row:

5      4      3      2      1

**CO2 - Classify/  
Illustrate and explain  
different chassis  
construction**

6. \*

Mark only one oval per row:

5      4      3      2      1

**CO3 - Use/Apply roll  
over analysis to solve  
rolling problems**

7. \*

Mark only one oval per row:

5      4      3      2      1

**CO4 - Identify and use  
of rolling drag method  
to solve varying  
problems**

8. \*

*Mark only one oval per row.*

5            4            3            2            1

**C05 - Analyze Vehicle  
Aerodynamic drag.**

9. \*

*Mark only one oval per row.*

5            4            3            2            1

**C06 - Propose the  
design procedure for  
commercial Vehicle  
body structure.**

10. II. List a few course contents that you wish to include in the Course which you think \*  
are important for building up a good career.

**2. MACHINE  
DESIGN I  
(AEC602)**

Statement that describe what students are expected to know and  
would be able to do by the time of completion of course.

I. Course Outcomes: After completion of the course, you are able to  
The Degree of relevance as mentioned below:

- 5 - Definitely
- 4 - Mostly
- 3 - Moderately
- 2 - Hardly
- 1 - Can't say

11. \*

*Mark only one oval per row*

5 4 3 2 1

**CO1 - Reproduce the understanding of various design considerations.**

12. \*

*Mark only one oval per row*

5 4 3 2 1

**CO2 - Demonstrate the basic principles of machine design.**

13. \*

*Mark only one oval per row*

5 4 3 2 1

**CO3 - Organize the Design of machine elements for static as well as dynamic loading.**

14. \*

*Mark only one oval per row*

5 4 3 2 1

**CO4 - Combine the Design of machine elements based on strength/ rigidity concepts.**

15. \*

*Mark only one oval per row.*

5            4            3            2            1

**C05 - Access design data books in designing various components.**

16. \*

*Mark only one oval per row.*

5            4            3            2            1

**C06 - Acquire skill in preparing production drawings pertaining to various designs.**

17. II. List a few course contents that you wish to include in the Course which you think \* are important for building up a good career.

3. Finite  
Element  
Analysis  
(AEC603)

Statement that describe what students are expected to know and would be able to do by the time of completion of course.

I. Course Outcomes: After completion of the course, you are able to

The Degree of relevance as mentioned below:

- 5 - Definitely
- 4 - Mostly
- 3 - Moderately
- 2 - Hardly
- 1 - Can't say

18. \*

*Mark only one oval per row.*

5      4      3      2      1

**C01 - Solve differential equations using weighted residual methods.**

19. \*

*Mark only one oval per row.*

5      4      3      2      1

**C02 - Develop the finite element equations to model engineering problems governed by second order differential equations.**

20. \*

*Mark only one oval per row.*

	5	4	3	2	1
<b>C03 - Apply the basic finite element formulation techniques to solve engineering problems by using one dimensional element.</b>					

21. \*

*Mark only one oval per row.*

	5	4	3	2	1
<b>C04 - Apply the basic finite element formulation techniques to solve engineering problems by using two dimensional elements.</b>					

22. \*

*Mark only one oval per row.*

	5	4	3	2	1
<b>C05 - Apply the basic finite element formulation techniques to find natural frequency of single degree of vibration system.</b>					

23. \*

Maximum mark: \_\_\_\_\_

5            4            3            2            1

**C06 - Use commercial FEA software, to solve problems related to automobile engineering.**

24. II. List a few course contents that you wish to include in the Course which you think are important for building up a good career. \*

4. Mechanical  
Vibration  
(AEC604)

Statement that describe what students are expected to know and would be able to do by the time of completion of course.

I. Course Outcomes: After completion of the course, you are able to  
The Degree of relevance as mentioned below:

- 5 - Definitely
- 4 - Mostly
- 3 - Moderately
- 2 - Hardly
- 1 - Can't say



25. \*

Mark only one oval per row

	5	4	3	2	1
<b>C01 - Recognize Basic Concepts of Vibration</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

26. \*

Mark only one oval per row

	5	4	3	2	1
<b>C02 - Explain Free Undamped Single Degree of Freedom Vibration</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

27. \*

Mark only one oval per row

	5	4	3	2	1
<b>C03 - Apply Free Damped Single Degree of Freedom Vibration Systems</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

28. \*

Mark only one oval per row

	5	4	3	2	1
<b>C04 - Determine Undamped Multi Degree of Freedom Vibration Systems</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

29. \*

Mark only one oval per row

5      4      3      2      1

**C05 - Detect the principles of vibration measuring instruments.**

30. \*

Mark only one oval per row

5      4      3      2      1

**C06 - Formulate balancing of mechanical systems.**

31. II. List a few course contents that you wish to include in the Course which you think are important for building up a good career. \*

5.                          Statement that describe what students are expected to know and would be able to do by the time of completion of course.  
Mechatronics  
(AEDLO6021)

I. Course Outcomes: After completion of the course, you are able to  
The Degree of relevance as mentioned below:

- 5 - Definitely
- 4 - Mostly
- 3 - Moderately
- 2 - Hardly
- 1 - Can't say

32.

*Mark only one oval per row.*

5      4      3      2      1

**C01 - Identify the suitable sensor and actuator for a Mechatronics system**

33.

*Mark only one oval per row.*

5      4      3      2      1

**C02 - Select suitable logic control**

34.

*Mark only one oval per row.*

5      4      3      2      1

**C03 - Analyze continuous control logic for standard input conditions**

35.

*Mark only one oval per row.*

5      4      3      2      1

**C04 - Develop ladder logic programming**

36.

*Mark only one oval per row.*

5      4      3      2      1

**C05 - Design hydraulic/pneumatic circuits**

37.

*Mark only one oval per row.*

5            4            3            2            1

**CO6 - Design a  
Mechatronics system**

38. II. List a few course contents that you wish to include in the Course which you think are important for building up a good career.

6. Automotive  
Materials  
(AEDLO6023)

Statement that describe what students are expected to know and would be able to do by the time of completion of course.

I. Course Outcomes: After completion of the course, you are able to  
The Degree of relevance as mentioned below:

- 5 - Definitely
- 4 - Mostly
- 3 - Moderately
- 2 - Hardly
- 1 - Can't say

39.

*Mark only one oval per row.*

5            4            3            2            1

**CO1 - Identify the  
need for new  
alternative materials  
to improve efficiency  
of automobiles.**

40.

Mark only one oval per row

5 4 3 2 1

**C02 - Distinguish  
between the materials  
requirements for  
various types of  
automobiles**

41.

Mark only one oval per row

5 4 3 2 1

**C03 - Estimate the  
role of different  
classes of materials  
for various  
automotive systems**

42.

Mark only one oval per row

5 4 3 2 1

**C04 - Select proper  
material while  
designing any  
automotive  
subsystem**

43.

Mark only one oval per row

5 4 3 2 1

**C05 - Select  
advanced materials  
for specific  
automobile  
components**

44.

*Mark only one oval per row*

5            4            3            2            1

**C06 - Comprehend  
Ashby charts for  
material selection**

45. II: List a few course contents that you wish to include in the Course which you think are important for building up a good career.

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# Copy for editing of Programme Exit form

\* Required



SARASWATI Education Society's  
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Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210

1. FULL NAME OF THE STUDENT \*

2. ROLL NUMBER \*

3. E-MAIL \*

I. PROGRAM OUTCOME Statement that describe what students are expected to know and would be able to do by the time of graduation

After completion of programme in the branch of Automobile Engineering, are you able to The Degree of relevance as mentioned below:

- 1 - Cant say
- 2 - Least Relevant
- 3 - Moderately relevant
- 4 - Relevant.
- 5 - Strongly relevant

4. \*

*Mark only one oval per row*

5      4      3      2      1

**Apply concepts of  
Mathematics and  
Computing in solving  
problems**

5. \*

*Mark only one oval per row*

5      4      3      2      1

**Identify and analyse  
Problems, derive  
solution using  
Automobile  
engineering concepts.**

6. \*

*Mark only one oval per row*

5      4      3      2      1

**Apply appropriate  
solution to Complex  
Automobile  
Engineering problems  
leading to valid  
conclusion**



7. \*

*Mark only one oval*

5      4      3      2      1

**Design a components, Process to meet specified needs with appropriate attention to health and Safety Standards, Environmental and Societal Considerations.**

8. \*

*Mark only one oval per row*

5      4      3      2      1

**Create, select and apply appropriate techniques, resources and advanced Engineering software using modern tools and design for Automobile Engineering Problems**

9. \*

*Mark only one oval per row*

5      4      3      2      1

**Understand the Impact of Automobile Engineering solution on society and environment for Sustainable development**

10. \*

*Mark only one oval per row.*

	5	4	3	2	1
<b>Understand Societal, health, Safety, cultural, Legal issues and Responsibilities relevant to Engineering Profession..</b>					

11. \*

*Mark only one oval per row.*

	5	4	3	2	1
<b>Apply Professional ethics, accountability and equity in Engineering Profession</b>					

12. \*

*Mark only one oval per row.*

	5	4	3	2	1
<b>Work Effectively as a member and leader in multidisciplinary team for a common goal.</b>					

13. \*

Mark only one oval per row.

5      4      3      2      1

**Communicate effectively within profession and society at large.**

14. \*

Mark only one oval per row.

5      4      3      2      1

**Apply principles of Management**

15. \*

Mark only one oval per row.

5      4      3      2      1

**Usefulness of Mathematics, Professional core and electives in competitive exams & Higher studies.**

**II. PROGRAM SPECIFIC OUTCOME**

Statement that describe what the graduate of a specific engineering program should be able to

After completion of programme in the branch of Automobile Engineering, are you able to The Degree of relevance as mentioned below;

- 1 - Cant say
- 2 - Least Relevant
- 3 - Moderately relevant
- 4 - Relevant.
- 5 - Strongly relevant

16. \*

*Mark only one oval per row.*

5      4      3      2      1

**Are you able to Identify, Understand, Formulate, and analyze complex engineering problems in Automobile, design, thermal and manufacturing.**

17. \*

*Mark only one oval per row.*

5      4      3      2      1

**Are you able to Plan and execute efficient, sustainable, safe and cost-effective manufacturing of automobile components in ICE, AS, CBE through CAD/CAM/CAE tools ethically**

III.

18. List a few courses that you wish to include in Programme which you think are important for building up a good career \*

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