

9. Automotive Styling

Purpose of the Event

- Engineers have to come up with an innovative and practical future car sketches.
- Engineers have to come up with an innovative and practical future car body 3D Modelling.
- The aesthetic as well as product finishing aspects should be imbibed in the students and to understand BIW concept of the vehicle development.

Eligibility Criteria Participant

- Must have SAEINDIA membership.
- Must have basic knowledge of sketching.

Expected skills

- Must have basic knowledge on 3D Modelling (any software)
- Knowledge of Material Science and sheet metal working.
- Knowledge of advanced manufacturing and aesthetic aspect in design engineering.

Competition Rules

- The team has to design and develop the vehicle body using sketching and 3D Modelling.
- The final product will be judged comparing with respect to the initial design document, its function and utilisation, clarity of the theme.
- The aesthetic and ergonomics consideration about the developed vehicle body design will be considered.
- Some Innovative design, neatness and overall impression of the vehicle body.
- Explanation about your vehicle design theme during presentation will be judged.

Team Size

- Team size: Maximum 2 (Mechanical, Electrical, ENTC or interdisciplinary)
- Number of teams for Tier-I: as many as possible
- Two team from each college moves to Tier-II
- Two teams from each zone moves to Tier-III

Expectations:

Tier-I	Tier-II	Tier-III
Free hand sketch of the future practical car	3D Modelling of the future practical car, Presentation	3D Modelling of the future practical car, Presentation

Judging criteria and Marking Scheme

Sr.No.	Criteria
1	Documentation
2	Clarity of Theme
3	Quality of Free hand sketching
4	Originality of the concept
5	Overall product impact on the customer (First impression)
6	Realistic and can be manufactured
7	Detailing of Design (SW Model, Analysis and Rendering)
8	Application and usability
9	Aesthetic and ergonomics consideration
10	Presentation and Clarity of product.