

10. Waste to Best from Plastic Material

Purpose of the Event

- Engineers have to come up with optimized solution to the existing problems mainly non compostable plastics
- Develop the innovative or daily used products from the waste plastic material or recycled material without losing functional requirements of the product.
- The developed product must be utilised by the citizens or industry.

Eligibility Criteria Participant

- Must have SAEINDIA membership
- Must have basic knowledge on product development

Expected skills

- Must have basic knowledge on 3D Modelling (any software)
- Knowledge of Material Science
- Knowledge of advanced manufacturing

Competition Rules

- The team has to design and develop the product from waste plastic materials using 3D Modelling.
- The final product will be judged comparing with respect to the initial design document, its function and utilisation.
- The aesthetic and ergonomics consideration about the developed product will be considered.
- Some Innovative design, manufacturing or functionality will be considered.

Team Size

- Team size: Maximum 3 (Mechanical, Electrical, ENTC or interdisciplinary)
- Number of teams for Tier-I: as many as possible
- One team from each college moves to Tier-II
- Two teams from each zone moves to Tier-III

Judging Criteria

Sr.No.	Criteria
1	Documentation
2	Creativity
3	Originality of the concept
4	Design Concept
5	Practicality / Feasibility
6	Detailing of Design (SW Model, Analysis and Rendering)
7	Prototyping & testing
8	Application and usability
9	Aesthetic and ergonomics consideration