

Pragyan Design Challenge

Event description:

Unleash your engineering skills, creativity and intuition, and structure your ideas for the given problem statement and present it by a drawing/Google sketchup/ 3D Modelling

Format:

a) Drawings should portray the model in atleast 3 views.

The drawings can be done by either of these

1. Drafting on a A2/A3 sheet
2. Using a computer software
3. Using google sketchup

Try keeping the drawing true to scale if not, it should look proportional and realistic

b) Simulations/ Animations explaining the Working Principle of the Model or Prototype / Model or a Smaller Model showing the working principle of the Different Parts in the Model

(Not necessary but it will surely help to explain your model/ design better, if you can come up with more creative aids for the explanation it would be appreciated :))

c) The Presentation must explain all aspects of the Design/Model individually and must focus on the feasibility/ marketability/ cost effectiveness/ material selection etc. of the model.

Rules:

- A team can consist of a maximum of 4 members.
- Microsoft PowerPoint Presentation only (.ppt)
- At least 2 people should be present for the presentation
- Don't deviate too much from your abstract!

- If you are getting any other files like Videos/ Drawings keep them in .mp4/.avi/.3gp and .dwg/.jpeg/.pdf respectively and submit it before you begin your presentation to the moderator
- Decision of the judges will be final.
- One or more entry per team is allowed.
- No professional assistance can be sought. All entries will be rigorously scrutinized and checked for authenticity of the design. Any team deemed unfair will be disqualified.

Judging criteria:

a) Idea and Creativity/Originality (30Points)

b) Drafting/ Design/ Drawing of the Model (30Points)

c) Points explained in the Presentation and How well it would be helpful to students. (15Points)

d) Simulation/ Animation/Prototype/Models/Other creative Aids (Bonus 75points)

(Total of 75 points, with 25 Bonus points, so maximum points being 100)

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Problem statement:

1. Multipurpose Furniture Model
Or
2. Multipurpose room cleaner model for hostels
Or
3. Alternate driving mechanism for a bicycle