



DESIGN-O-FLARE

Pool Event (Y15 and Y14)

Points: 40



The laboratory infrastructure and working philosophy provides the necessary platform for students to try out ideas, work with their own hands, iterate on designs, ideate and bring concepts to fruition, apply the principles they have learned in the classrooms, and above all, enjoy being part of our creative universe. We plan to hold one competition to let out your manufacturing potential and innovative skills to design the final product.

Overview

Digital Prototyping brings together design data from all phases of the product development process and enables students/professionals to create a single digital model that can be used in every stage of production. Thus, bridges the gaps that usually exist between conceptual design, engineering and manufacturing teams. It is a unique platform for students to experiment, brainstorm, stimulate interest, and showcase their creativity in great designs.



Task Details

- The aim of the contest will be to design product(s) using CAD designing softwares such as AutoDesk Inventor, SolidWorks etc.
- The challenge will be divided into 4 phases, each of which provides a different designing task.
- The task may involve completing an existing incomplete design or designing a new part altogether.
- The final phase (Phase 4) will involve completing the assembly using early phases and adding on necessary parts to complete the challenge.

Guidelines

1. A team consists of students from same pool.
2. Each team can have a maximum of 3 participants.
3. Only softwares allowed are: **AutoDesk Inventor, AutoCAD, DS SolidWorks.**
4. The venue of the event will be NCL/CC, however participants are free to bring their own laptops.
5. Expected duration of the challenge is 3 hours.
6. The team members may simultaneously work on Phases 1, 2 and 3 to complete them as quickly as possible.
7. However, a team shall be allowed to attempt Phase 4 only after successful completion of Phases 1, 2 and 3.

Point Structure

5% extra for every Y15 in the team
20% each Phase 1 , 2 ,3
40% Phase 4 completion
in case of tie the one finishing early wins.

Registration

Each Pool max 2 teams.

Contact

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