

BLUEPRINT – CAD BATTLE

- Submission deadline : 16th June 2021
- Individual competition

❖ Subject : Oxygen Cylinder Valve

Design an oxygen cylinder valve satisfying the following constraints and also with an innovative opening mechanism.

- Unit: mmgs
- Material: Brass
- Designation of Screw thread
- Outlet: G 5/8-RH
- Pitch : 1.814 mm
- Net weight 500 - 800 g

Rules and Regulations:

General:

- Participants must refrain from collecting designs from the internet. Any form of plagiarism will lead to the disqualification of the participant.
- The drawings will be evaluated by a panel of experts and their decision will be final and conclusive

Design:

- The design must be an original content created and owned by the participant
- Any form of plagiarism will lead to immediate disqualification.
- Usage of design elements previously created by the participants are strictly prohibited as they have to be created within the span of the competition.

Submission:

- The drawings must be submitted as .stp, step file with proper reasoning and naming.
- **Along with the file, it is necessary to send a PDF file explaining your design.**

Judging criteria

- Originality
- Aesthetics
- Design difficulty
- Constraints
- Innovation
- Design description.
- All decisions regarding the evaluation of the designs will be up to the judges. The judges' decision will be final.