



3D Maker – 3D Printing Challenge

Qualifier Level (Online Submission)

Mission: Design a useful space utility object

- Design any object/tool useful in space exploration (e.g., astronaut tool etc.)
- Use **Autodesk 123D Design software**
(Download link: <https://autodesk-123d-design.en.lo4d.com/windows>)
- Record a **2-minute video** explaining your design process
- Video **file name** should be the Team ID. (Example ID: APTDM001)
- Video **file size** should not be more than **30 MB**.
- **Upload the video in:** <https://www.bharatteckleague.com/>

Finale Level (Offline Competition)

Mission: On-the-Spot Space Design Challenge

- A surprise space-themed design problem will be announced on the spot
- Participants will have 2 hours to complete the 3D model design
- No 3D printing is required in the final round
- Bring your own laptop along with a mouse and with Autodesk 123D design software installed (Atleast 1 laptop per team)

Judging: Innovation, functionality, and quality of the 3D model design.



Team Guidelines

- Each team must have a **minimum of 2** and a **maximum of 4** student members.
- All members of the team must be from the **same school**.
- A student can participate in **only one category**.
- Teams must be mentored by a **teacher/coordinator/school representative**.
- Once the team is registered, no modifications to team members are allowed at any level of the competition.
- Teams must arrange their own materials, tools, and laptops as required.

Note: For all competitions, follow size, weight, and software rules mentioned. Any violation may result in disqualification. Ensure all required items (laptop, model, materials) are carried by the participants. Power supply will be provided at the venue.