

Egg Drop Challenge at Makers Fete 2023

Put Your Engineering and Creativity to the Ultimate Test!

Introduction:

Participants are tasked with designing and constructing a device that will protect an egg from breaking during a freefall from heights ranging between 10 to 60 feet.

Rules and Specifications:

- **Materials:** No metal, glass, or shatterable materials. Bubble wrap, sponge, and styrofoam are also prohibited.
- **Weight Limit:** The device, excluding the egg, must not exceed 500 grams.
- **Size Limit:** Must fit within a 20 cm x 20 cm x 20 cm box.
- **Freefall Requirement:** The device must fall freely without contact with people or objects; no tethers, parachutes, or air resistance devices.
- **Egg Accessibility:** The design should allow easy insertion and removal of the egg.
- **Egg Security:** The egg must remain inside the device throughout the test.
- **Design Criteria:** Emphasis on unique and innovative design. Minimum dimension measurement applies.
- **Provided Egg:** Only the eggs provided by the coordinator are to be used.
- **Weight Categories:** Two weight categories, 500 grams and 250 grams, based on age group.

Egg Specifications:

- Grade A raw egg provided by the judge.
- Any alteration to the egg's physical properties leads to disqualification.

Judging:

- The egg must remain unbroken and uncracked after the drop.
- Participants must show the egg to the judge for verification.
- The judge's decision on the egg's condition is final.

Prizes:

Category 1:

1st Place - Rs 1750/-

2nd Place - Rs 1000/-

3rd Place - Rs 750/-

Best design - Rs 1000/-

Category 2:

1st Place - Rs 1750/-

2nd Place - Rs 1000/-

3rd Place - Rs 750/-

Best design - Rs 1000/-

Registration:

- Register online via [CFAL India's Makers Fete website](#).