

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Aeronautical Engineering

TECHFINIX'24

PARACHUTE DIVING:

DESCRIPTION:

Parachute diving uses simple materials such as a polythene cover, thread, and a cup to build a parachute that can safely deliver an egg from a height. The challenge is to create the most effective parachute that slows the descent and cushions the landing, preventing the egg from cracking or breaking.

RULES:

- Each team can have two participants.
- Materials will be provided.
- Total duration: 30 minutes.
- Results are based on design and endurance

Event coordinators:

1. Anbumani.N (IV year) – 9360748497
2. Thennarasu.B (III year) – 6369773545

GLIDER MODELLING:

DESCRIPTION:

Glider modeling involves the study of the forces that act on a glider and how they affect its velocity and direction. Gliders are aircraft that don't have engines and are usually lighter than powered aircraft.

RULES:

- Materials will be provided for each participant.
- Building time: 30 mins.
- Individual Participants.
- Results is based on range and endurance of the glider.

Event coordinators:

1. Subalraj.M (IV Year) – 9345883981
2. Naveenkumar.M (III Year) - 6379432201

DRONE RACING:

DESCRIPTION:

Drone racing is a competitive sport where pilots control drones to navigate through racing tracks, focusing on speed and precision. The race outcome is based on how quickly pilots complete the track and navigate obstacles. Timing and obstacle crossings are crucial, with faster and more agile drones offering a competitive edge. The sport combines technical skill with quick decision-making.

RULES:

- Each participant is allowed three attempts to complete the race.
- The size of each obstacle is based on the drone size (maximum size 30×30 cm).
- Points are awarded based on the number of obstacles crossed.
- Each obstacle on the race is assigned a different point value based on difficulty.
- The prize is based on the time taken and points earned.

Event coordinators:

1. Sakthivel.J (IV Year) – 6379512291
2. Mathavan.S (III Year) - 9500377262