

PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Aeronautical Engineering

TECHFINIX'25

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. V. Dharani Sri (IV year)—8220692109

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 are based on the range and endurance of the glider.

Event coordinators:

1. Naveenkumar.M (IV Year) – 6379432201

வளரி—The boomerang:

DESCRIPTION:

Valari is a traditional Tamil throwing weapon, resembling a boomerang. It features a curved, crescent-like shape and was historically used for hunting and warfare. Crafted from wood or metal, Valari could be thrown to strike targets at a distance, and some designs were capable of returning to the thrower. It holds cultural significance in Tamil martial history and is mentioned in ancient Sangam literature.

RULES:

- Each team can have two participants.
- Materials will be provided.
- Building time: 30-40 mins.
- Results are based on range, endurance, design, and different types of catches.

Event coordinators:

1. K. Gurunathan (IV Year) – 6381966464