

# PAAVAI ENGINEERING COLLEGE

## DEPARTMENT OF AERONAUTICAL ENGINEERING

### PAPER PRESENTATION:

**“If you have an important point to make, don’t try to be subtle or clever. Use a pile driver. Hit the point once. Then come back and hit it again. Then hit it a third time.”**

Paper presentation is all about how you put your topic or present your topic in front of the audience. They see the way you present and your topic, the way you put your points, your presentation style, your language and how promptly and effectively you answer their questions.

### RULE:

- Maximum two members per team.
- Presentation should focus on particular topic.
- Abstract should not exceed one page.
- Bring 2 hardcopies and a softcopy.
- Maximum seven minutes for presentation and three minutes for queries.
- Use IEEE format.
- Judges decision will be final.
- Any violation will leads to elimination.

## GLIDE-O-FLYER:

**“To invent an airplane is nothing. To build one is something. But to fly is everything.”**

A glider is a fixed wing aircraft that is supported in flight by the dynamic reaction of the air against its lifting surface and whose free flight does not depend on an engine. However, some spacecraft have been designed to serve as glider. Need to design a miniature glider which slices the wind of air.

An O-flyer is an aerodynamic tool which is prepared by PVC pipes and parchment. A design of nozzle section needs to develop and fly with swirls on air.

## RULE:

- Maximum two members per team.
- Time duration for designing would allot 30 minutes.
- All teams need to design both a glider and O-flyer.
- Depending upon the distance covered by model, Winner would be announced.

## RESOLVE IT:

**“Focus on the solution, not on the problem.”**

‘Resolve it’ is an event that studies about reasons of the air crash. The air crash videos and images will be shown in which questions would be asked.

### RULE:

#### **ROUND 1:**

- Picture will be shown for 30 seconds; you need to be answer in answer script.
- Based on the round 1 result, elimination will be done.

#### **ROUND 2:**

- Two videos will be played. Five questions will be raised from that video.
- Based on the round 2 results, elimination will be done.

#### **ROUND 3:**

- Only one video will be play. The questions rise from that video.
- Final winner will be selected from result of round 3.

## AVIATION TRIVIA:

**“An investment in knowledge is the best interest.”**

Aviation trivia is a form of game or mind sport, in which players attempt to answer questions correctly this game would be related to the aviation world and its related fields.

### RULE:

#### **ROUND 1:**

- A set of 15 questions will be given. Need to be answered within 10 minutes.

#### **ROUND 2:**

- Each team will be asked five questions each of two marks. They will be given 30 seconds for each question.
- If attended team gave wrong answer or unable, then question will passed to other team.

#### **ROUND 3:**

- In this round, there will be 10 questions which carry 2 marks each.
- Team rising hand will be given chance first.
- Based on result, winner will be announced.

## FLIGHT SIMULATOR:

“You fly. You aviate. You do everything you can to get the aircraft safely on the ground.”

A flight simulator is a device that artificially re-creates aircraft flight and the environment, in which it fly for pilot training. It conducts some activities like aircraft take off, control and handling.

## RULE:

- Maximum 5-10 minutes will be given to perform the task.
- Only one person per team.
- Need to perform basic manoeuvring and lands the flight safely, will be the winner.
- Judge decision will be final.