



Department of Aerospace Engineering

Periyar Nagar, Vallam, Thanjavur - 613 403,

Proudly Presents

ISOPTERONZ 18

A National Level Technical Symposium



TECHNICAL EVENTS

1. Paper presentation
2. Poster presentation
3. CAD modelling
4. Glider competition

RULES AND REGULATIONS

1. PAPER PRESENTATION

TOPICS:

- a. Aerodynamics
- b. Fluid dynamics
- c. Flight dynamics
- d. Missile guidance and control
- e. Propulsion
- f. Composite materials
- g. Aerospace Structures
- h. Space mechanics
- i. Satellite technologies
- j. Interdisciplinary titles relevant to Aerospace Engineering.

TEAM RULES:

-) Maximum number of participants in the team should not exceed 2.
-) No participant can take part in more than one team.
-) Each participant should bring their respective college ID.

RULES & REGULATIONS:

- J The paper should be related to the above-mentioned topics only.
- J Send your full paper on or before 20.03.2018 to isopteronz2k18@gmail.com with your title as the subject.
- J At the time of presentation, Full paper (2 set hardcopy + 1 set softcopy in CD) to be submitted.
- J The team members' name(s), college should be clearly mentioned on the CD.
- J Late submissions will not be entertained.
- J Selected papers will be intimated on 21.03.2018 through email or in Facebook page [facebook/ isopteronz aero.](https://www.facebook.com/isopteronz.aero)

PRESENTATION RULES:

- J Presentation should not exceed 10 minutes
- J The maximum time allotted for single presentation is 8 minutes, followed by a queries section for 2 minutes.
- J Presentation beyond the time limit results in score reduction.
- J Plagiarism is not encouraged and if found, will result in disqualification.
- J The presentation will be judged based on their innovation, in depth knowledge of the field and presentation skills.

2. POSTER PRESENTATION:

TEAM RULES:

- J Maximum number of participants in the team should not exceed 2.
- J No participant can take part in more than one team.
- J Each participant should bring their respective college ID.

RULES & REGULATIONS:

- J Your poster should be based on any technical subject related to Aerospace Engineering.
- J Send your poster on or before 20.03.2018 to isopteronz2k18@gmail.com with your title as the subject.
- J The team members' name(s), college should be clearly mentioned on the Poster.

) Poster size should be **2 feet width** and **3 feet height**.

) Late submission will not be entertained.

PRESENTATION RULES:

) Presentation should not exceed 10 minutes.

) The maximum time allotted for single presentation is 8 minutes, followed by a queries section for 2 minutes.

) Plagiarism, if found, will result in disqualification.

) Violation of any rule results in rejection of poster.

) The presentation will be judged based on their innovation, in depth knowledge of the field and presentation skills.

3. CAD MODELLING

TEAM RULES:

) Individual event.

) Each participant should bring their respective college ID.

RULES & REGULATIONS:

) 2 rounds will be there. First round will be design of 2D model followed by shortlisted candidates will go for 3D design.

) Maximum allowed time is 30 minutes for each round.

) Computer facility will be arranged by the Department.

) The participants must use the CATIA V5 software.

) The Winner will be decided based on the quality of the design and the time taken for completion.

4. GLIDER COMPETITION

TEAM RULES:

) Maximum number of participants in the team should not exceed 4.

) No participant can take part in more than one team.

) Each participant should bring their respective college ID proof.

) Participants have to bring materials to make their glider.

MATERIALS ALLOWED:

The following are the materials that may be used to build the glider:

) Balsawood (Preferable)

) Glue, any type

) Modelling Clay

) Ink may be used as needed for small identification.

RULES& REGULATIONS:

) Each glider should be designed, constructed, launched and repaired by contestants. **No ready-made kits are allowed.**

) There is **no restriction** on the **size or weight** of the glider.

) Maximum time allotted for making glider is one hour.

) No modifications to the glider are allowed to be made after the glider is submitted to the judges for inspection or during the competition trials.

) The team members' name(s), college should be clearly mentioned on the glider.

) The winner is decided based on the range and endurance of the glider.

GENERAL RULES:

) In case of any discrepancy, decision made by the judge is final.

) All the winners will get prizes with certificate. Others will get participation certificates.

) Certificates and prizes will be given on 23.03.2018 itself.

For further details:

Staff Co-ordinators:

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