

Aero India 2019

Application of Aerospace Technologies for the Betterment of the Billion lives **(AABB)**

*Invitation for students to participate and exhibit for
Great Global Exposure and to win awards*

Ministry of Human Resource Development, Ministry of Defence and Ministry of Civil Aviation are proud to announce a student competition to exhibit products / concepts / innovative ideas on aerospace technologies at **Aero India 2019**, **scheduled to be held in Bengaluru during February 20-24, 2018**. In keeping with the theme of the conference / show, students from all over India are invited to present products / concepts on the **Application of Aerospace Technologies for the Betterment of the Billion lives (AABB)**. All the finally selected entries will be exhibited at the “**Student Pavilion**” at **Aero India 2019**. It is a great opportunity to the students for global exposure and also to win awards. Proposals can cover (a) futuristic research (b) exhibition of new emerging technologies in form of prototypes / models (c) demonstration of innovative applications / products of existing & proven technologies.

Team size: Maximum upto 4 (Team leader + 3 Team members)

The team would be assisted with boarding, lodging, travel and local transport and local support in the display of the projects.

Aerospace Technologies (Suggestive): Avionics, Advanced Structures, Advanced Materials, Engines & Fuels, Propulsion Systems, Power Sources, Mathematical & Simulation models, Decision Support Systems, Command & Control Systems, Autonomous Systems, Surveillance, Stealth Technologies, Cyber Security, Cyber Physical Systems, etc

Aerospace Application Areas (Suggestive): Drones/UAVs; Mini/Micro Satellites; Aerostats/Balloons; etc

Initial Selection procedure: Participants need to submit a concept paper (may be an extended abstract of **maximum 2 pages**). The abstract should consists of :

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1. Mission/problem statement
2. Suggested Solution /methodology and Current status of technology/solution
3. Innovation in design or application/product/solution.
4. Related IPR and publication(s) (if any)
5. Roadmap for realization from concept to Product.
6. Collaboration with startups or incubation (if applicable).

Screening of Concept papers:

Concept papers will be screened and short listed by an expert committee. The shortlisted proposals would be asked to submit Detailed Project Report.

The proposals should be forwarded through the Institute / faculty member in which the students are studying.

The proposals or any clarification in this regard should be addressed to
aero2019students@ae.iitm.ac.in

Time-lines :

1. Issuing Invite Notice from MHRD asking for Concept Note on the proposed project
- 12.12.2018
2. Receiving Concept Note from students - 07.01.2019
3. Scrutiny of Concept Note and Shortlisting of proposals - 14.01.2019
4. Receiving Detailed Project Report from shortlisted candidates - 24.01.2019
5. Announcement of finally selected Projects - 26.01.2019
6. Display of selected projects in Aero India 2019 - 20.02.19 to 24.02.19