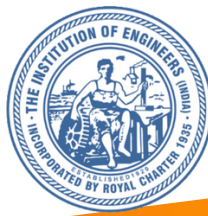




IAAA In Association with  
IE(I) TNSC



# ALTAIR OPTIMIZATION CHALLENGE



Accelerate simulation-driven design throughout the product development lifecycle, from concept to reality, while reducing product time-to-market.

**Altair® Inspire™**

Accelerate Simulation-driven Design

## Eligibility

- Exclusively for Individual students
- Only use Altair Inspire

## Prize Pool



First Prize: ₹ 10000  
Second Prize: ₹5000  
Third Prize: ₹ 2500

## Challenge

Participants are encouraged to use Altair Inspire software to design a lightweight, structurally optimized component that meets specified performance criteria to real-world engineering problems

## Model-file

Participants can choose complex CAD models from any Opensource (Ex: Grabcad.com)

## Submission

submit Solved files / model file / PPT with Inspire Structures Professional Certificate

**EXTRA CREDIT** : to those who upload demonstration videos to YouTube

## Key resources

1. Free Academic License: <https://web.altair.com/altair-student-edition>
2. Altair Inspire: <https://web.altair.com/academic-hub-inspire>
3. Free Altair Domain specialist led training: <https://learn.altair.com/>
4. Free Technical Support Forum : <https://community.altair.com/community>
5. Learn from YouTube Videos: <https://www.youtube.com/c/AltairHowTo>

## CONTACT

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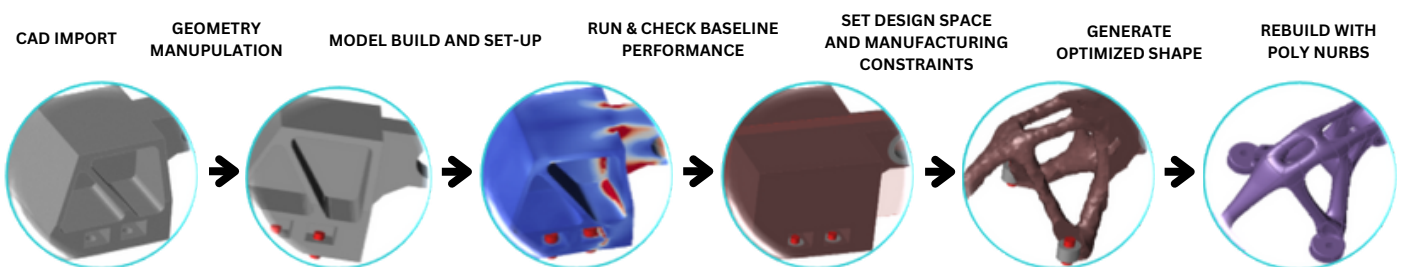


# General Information

**Altair® Inspire™** is an intuitive, powerful family of integrated software products that accelerates *simulation-driven design* throughout the product development lifecycle, from concept to reality, while reducing product time-to-market. Inspire enables the creation of designs focused on both performance and manufacturability.

Inspire empowers its users to explore, develop, and manufacture high-performance products in a single, intuitive environment. With Inspire, enjoy a seamless geometry creation and modification user experience that speeds up the creation, optimization, and study of innovative and efficient parts and assemblies. Best of all, Inspire makes it easy to collaborate with others with its intuitive interface and easy-to-use features.

- Students can download Software, learn, certify for free
  - Free personal edition : <https://web.altair.com/inspire-personal-edition>
  - Access learning & Certification courses : <https://learn.altair.com/>
- Participants can choose complex CAD models from any Opensource for Example : <https://grabcad.com/dashboard>
- Participants are required to demonstrate their ability to apply optimization techniques to real-world engineering problems, showcasing their creativity and technical skills.



## What to Submit ?

1. Altair Inspire Structures professional Certification
2. Inspire Solved file (.stmod)
3. Simple Analysis report on the above task (PPT or PDF or \*.doc)

Note: Extra Score for students who submit Video (Recording of the complete general process in YouTube and share Link).

**Where to Submit ?** Zip the contents > Rename it as “IAAA\_Yourname.zip” and upload to below link: <https://forms.gle/W6F5vLKEoYzfGciR9>

(in the message body > Mention your Full name > Email ID and Mobile no)

**Last date for submission: 13th Sept 2024**

**Results Announcement: 23rd Sept 2024**

**Any Queries or Support, Please reach out to my colleagues.**

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