

# IDEA-A-THON

# BASIC RULES

- **Not more than 4 members per team: Max. Duration: 7 days**
- **From a set of given problems, a team can choose any one problem**
- **Multiple teams can work on the same problem**
- **Complete framework along with the journey needs to be presented during the event**
- **Points will be awarded to the team depending on,**
  - Problem understanding
  - Concept Clarity
  - Technical/Solution feasibility
  - Presentation
- **Team with maximum points will be awarded the first and second prizes**
  - First Prize: 75,000/- INR per team
  - Second prize: 50,000/- INR per team
  - Meritorious: 10,000/- INR per team (Only if the idea & solution are good but not in first 2 places)

# **PROBLEM STATEMENTS**

- 1. AM Design & Manufacturing for Advanced heat exchanger with lattice structures**
- 2. Frame work to calculate sustainability index in a gas turbine product life cycle (From Raw material to sunset)**
- 3. Predictive analytics using AI/ML applications for Aerospace mechanical systems**
- 4. Digital Twin for Aircraft Environmental Control Systems**