Boeing Endeavour Award Application Form

The Boeing Endeavour Award will comprise **one prize of $5,000**. The prize is awarded to a student project group participating in the Endeavour Exhibition Semester 1, 2024.

The prize is looking for a project group that offers an innovative approach in providing a solution(s) to challenging problems relatable to the following topics:

* Aerospace – flight and/or air, aerodynamics, planes, drones, helicopters, space
* Mechanical – motors, engines
* Energy conversion – electrical systems, chemical, combustion, battery, solar
* Software – security systems, networks, systems, programs, tracking GPS devices, autonomous systems

# Judging Criteria

The project group will need to demonstrate skills and techniques with an innovative approach to solutions. The project group will need to explain the measurables and provide evidence that the project team has considered in their project. The prize may not necessarily be awarded to the project with the most sophisticated or innovative use of technology. However, the use of creative engineering design to Boeing’s relatable topics of Aerospace, Mechanical, Energy Conversion or Software.

The application should address:

1. How the project utilises engineering and/or IT in their research or design relative to any one of Boeing’s relatable topics.
2. Explain the measures and provide evidence that the project group has considered in their project. Consideration should be given to:
3. The problem that the project has the potential to address.
4. Any implementation of concerns/risks such as sustainability, carbon footprint, cost, ethical considerations, complexity, competition, or regulation and how these will be overcome.
5. Explain how the project group has come to a solution/ outcome.
6. Explain what measures were considered to address the success of the solution/ outcome.
7. The application quality.
The application should be sufficient to readily explain to a non-technical audience the key innovations of the project and the responses to the elements detailed in 1 & 2 above. Use of graphics, images and links to videos or other online material are all encouraged to make it easier for the team to communicate effectively but are not essential. Clarity of message is the primary consideration.
8. The presentation by short-listed projects.
Teams do not need to prepare a special presentation but must be ready and able to use the materials at their display to explain their project, the innovative nature of the solution developed and the measurable content they have evaluated for that solution.
Teams will have ten (10) minutes with the judges including time for Q and A. The structure of the explanation and which team members are involved is up to the teams to decide. It is not necessary that every team member present but the team should have the most qualified/relevant member answer specific questions.

# Application and Judging Procedure

Your application and presentation will be judged by a University of Melbourne academic(s). Short-listed project teams will have the opportunity to present their application in a live ‘pitch’ to the judging panel.

**Award Process & Timeline**

|  |  |
| --- | --- |
| **Activity** | **Timeline** |
| Applications for the award will commence. | Monday 26 February 2024 |
| Applications for the award close. | Friday 12 April 2024 |
| UoM will select and confirm 3-4 project groups as finalists for each award. | Tuesday 16 April – Friday 26 April 2024 |
| UoM judging of finalist teams at their display booths:* 10-minutes in total for each project group. Each project group will be asked to deliver the following:
1. A 3-minute pitch in regards to their project
2. Respond to questions during 5-minute Q&A time
 | Wednesday 22 May 2024Endeavour Exhibition & Awards Night |

|  |
| --- |
| Project Details |
| Project Code |  |
| Project Title |  |
| Team Member(s) |  |
| Team Supervisor(s) |  |
| Industry Partner(s) (Specific company, if any) |  |
| Project Team Contact Details |
| Contact Phone Number |  |
| Contact Email Address |  |

|  |
| --- |
| Response to Judging Criteria |
| *1. How the project utilises engineering and/or IT in their research or design relative to any one of Boeing’s relatable topics.* |
| *Response:* |
| 1. *Explain the measures and provide evidence that the project group has considered in their project. Consideration should be given to:*
2. *The problem that the project has the potential to address.*
3. *Any implementation of concerns/risks such as sustainability, carbon footprint, cost, ethical considerations, complexity, competition, or regulation and how these will be overcome.*
4. *Explain how the project group has come to a solution/ outcome.*
5. *Explain what measures were considered to address the success of the solution/ outcome.*
 |
| *Response:* |

Note: Please respond with a maximum of two-page response (plus relevant appendices) to the award judging criteria

**Appendix:**

**All questions can be directed to the Endeavour team at**

**endeavour-** **feit@unimelb.edu.au**

Applications are to be labelled as follows and submit with other applications [>>HERE<<](https://forms.office.com/r/dM1wPBm6qC)

**NO LATER THAN 11:55PM AEST Wednesday 12 April 2024**

File Naming Conventions: <Boeing> <Team Leader First Name> <Team Leader Family Name> <Project Title>