

Give your blade a real edge.



iCreate Aerodynamic Blade Challenge



**CALL FOR
INNOVATIONS**

Submission deadline
31 July 2024

**APPLY
NOW**



Click Here to Apply

INNOVATION PARAMETERS

BLADE NOVELTY:

Optimise material and geometry of the blades to achieve the efficient balance between airflow, power consumption, and noise reduction.

AIRFLOW VOLUME:

Maximise the volume of air extracted to ensure effective air flow.

POWER USAGE:

Minimise the energy consumption required to operate the system.

NOISE LEVELS:

Reduce the noise generated by the system to ensure quiet operation in a targeted environment.

DIAMETER (Metres)	AIRFLOW (m ³ /h)	PRESSURE (kPa)	NOISE (dB)	POWER (W)	MATERIALS PROPERTIES
Up to 5	400 to 2500	Minimum 125	Up to 50	50 to 200	- Heat resistant - Corrosion resistant

ELIGIBILITY CRITERIA

Startups, innovators, academics, and researchers who are ready to showcase their commitment to tech advancement and entrepreneurship. To ensure the viability & impact of the proposed innovations, all applications must be supported by:

- Sound research that underpins the innovation.
- A working prototype or demonstrable proof of concept to illustrate the practical application and effectiveness of the design. Purely theoretical ideas without any empirical support or PoC or prototype will not be accepted.
- Demonstration of a clear pathway to commercialization.