

A Lasting Legacy



- Finished **3rd** worldwide in SAE AeroDesign West 2025.
- A **15 year legacy** of technical excellence and innovation.
- **Boeing, Airbus and Lockheed Martin**, along with other industry giants, have recognized our excellence.
- **No. 1 in Asia** for nine consecutive years.
- Five podium finishes in the past 10 years at SAE AeroDesign.
- Awarded Best Representative at BITS Pilani's APOGEE technical festival.

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VIDHYUT



#SkyboundIngenuity

Meet the Team



Team Assailing Falcons is the official Advanced class Aero Design team of Vellore Institute of Technology, Vellore. We are a student-funded technical team that designs and builds autonomous RC aircraft that compete in **SAE AeroDesign**.

SAE AeroDesign

A real-world challenge designed to compress an aircraft development program into one calendar year.

Our Aircraft

FALCONS'25

VIDHYUT

Vidhyut, our **2025 Flagship**, is an autonomous eVTOL capable aircraft of a maximum loaded weight of **1.587 kg**, designed to deliver and capture a payload of **455 grams**.

It secured **1st** place in the Technical Design Report category, **3rd** in presentation and was ranked **3rd** overall at SAE AeroDesign West 2025.

Past Flagships

2024



MARUT

6th in Design Report

2023



AQUARIUS

3rd in Design Report

2022



TRIDENT

3rd Overall

Sponsorships

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