About us:

Hustlers by Spirit | Innovators by Design

Driven to Excel | Designed to Inspire

Fueled by Passion | Crafted for Innovation

**Passion in Flight | Innovation in Design**

Engineered to Fly | Driven to Innovate

Team Arcis is the official Aero Design team of Dayananda Sagar College of Engineering, Bengaluru. (“ARCIS” stands for enlightenment in Sanskrit, reflecting our visionary approach to aero design.) We are a passionate group of undergraduate students committed to develop cutting-edge aircraft for the annual AIAA Design/Build/Fly competition. Since 2012, we have united diverse engineering disciplines, earning recognition as India’s top Aero Design team since 2015, with notable triumphs like first place in flight missions and third for our technical report at AIAA-DBF 2021 and third for our technical report at SAE International 2024. Our members have invaluable experience in conceptual design, aerodynamics, composite fabrication, structural and propulsive analysis, CAD, and RC flight. Together, we push boundaries, refine skills, and collaborate with the aim of advancing aeronautical excellence.

Vision

**Innovating for a Better Tomorrow**  
Driven by curiosity and teamwork, we’re a bold team of engineers exploring latest aeronautical advancements, and the latest tech to solve real-world challenges with impact and precision.

Mission

Innovate, elevate, achieve

Beyond engineering, we instill discipline, professionalism, and a strong ethical foundation in our students. Our mission is to nurture responsible, skilled individuals who are prepared to lead with integrity and make a lasting mark on society.

Team organization description

Team Arcis is organized for optimal collaboration and accountability. Led by the Captain, who oversees strategy, management, and both technical and marketing operations, the team works are overseen and supported by the Faculty Advisor. Key roles include the Team Manager, responsible for coordination;; the Vice-Captain, overseeing daily operations and design progress; PR Head, responsible for ;Media Head responsible for and specialized teams like Design, Stability & Performance, and Avionics, all working together to refine the aircraft and ensure flight readiness.

Technical

The Technical Team at Team Arcis specializes in stability, performance, aerodynamics, and avionics. By fine-tuning aircraft stability, optimizing flight performance, mastering aerodynamic efficiency, and integrating advanced avionics, they ensure each aircraft achieves peak safety, reliability, and innovation. With precision and collaboration, they elevate every mission and redefine aeronautical excellence.

Marketing

The Marketing Team at Team Arcis powers our visibility through PR, media outreach, and strategic partnerships. They manage social media, build sponsor relationships, and drive campaigns that boost awareness and secure funding. By shaping our public image and expanding our network, they ensure the team’s success resonates beyond the competition.

Design

The Design Team at Team Arcis brings aircraft concepts to life with precision and creativity. Using advanced CAD tools, they handle everything from initial sizing to detailed component integration, ensuring top-notch aerodynamics and structural integrity. Every design choice is crafted for high performance and mission success, turning ideas into exceptional, flight-ready aircraft.

Faculty advisor

The Technical Faculty Advisor at Team Arcis mentors and guides engineering efforts, ensuring innovation meets academic standards. Their expertise supports the team in refining designs, solving technical challenges, and achieving excellence in every project.

2012-13

Inception of the team

Rank 4th in India and 25th internationally

NASA systems engineering award

The only year when a plan that uses a combustion engine was built

Dhanno

2013-14

Plane dimensions UDAAN

Electri motor for the first time

Sae east 2nd ind 28th international

2014-15

First participation in Aero Design west

First major design break Inverted u

Rank 1 ind 10 global

Plane dimensions e423 Garud

2015-16

Plane dimensions

Major design step with geometrical twisted wing

West 1st ind 25th global

2016-17

Participation in both : Regular and Micro

Reg 1st ind 20th global

Micro 3rd ind 17th global

Conducted quadcopter workshop

2017-18

Plane Dimensions

Cyber forensic workshop conducted

First use of CF

Custom airfoil used in reg class

Participation in SAE ISS

2018-19

West

2019

2020

2021

2022

2023

2024