



TEAM PHOENIX

THE OFFICIAL AEROMODELLING TEAM OF NIT JAMSHEDPUR

The Modern Airbenders..



TEAM PHOENIX

Team Phoenix is an official technical team of NIT Jamshedpur, which specializes in the field of aeromodelling and aerodesigning. We are a group of enthusiastic people with common interest in aerodesigning. We are a team of fully committed individuals who share and carry out responsibilities along with the sheer academic pressure of our engineering course.

MISSION & VISION

Team Phoenix aims at promoting awareness regarding the aviation sector and develop real time solutions to the ongoing issues in the field. The team shares engineering instincts to study various parameters and generate a practical layout that can be executed effectively.



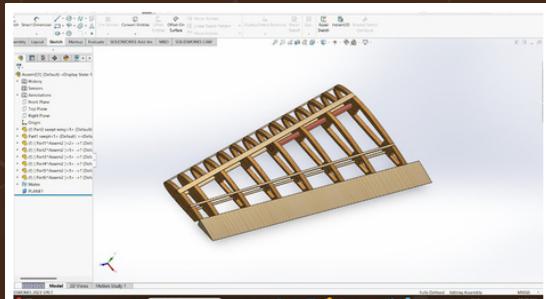
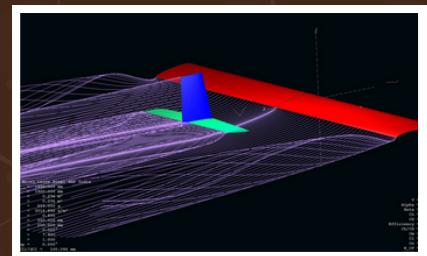
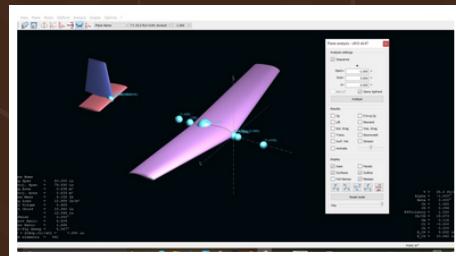
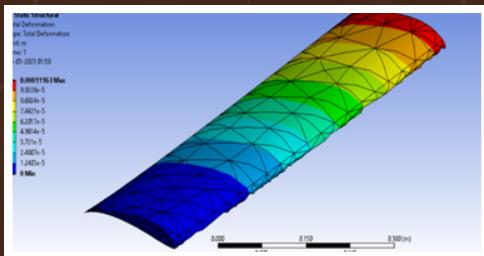
ACHIEVEMENTS

Team Phoenix has secured top ranks every year in National and International competitions like SAE India and SAE International. We have consistently secured top ranks among all the Indian teams in SAE International. Details of all our achievements are listed below.

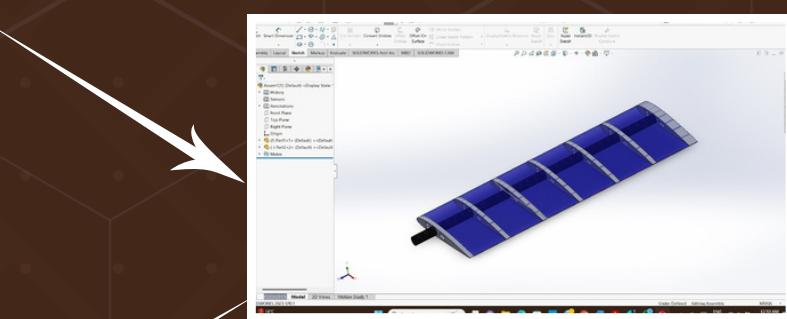


FABRICATION

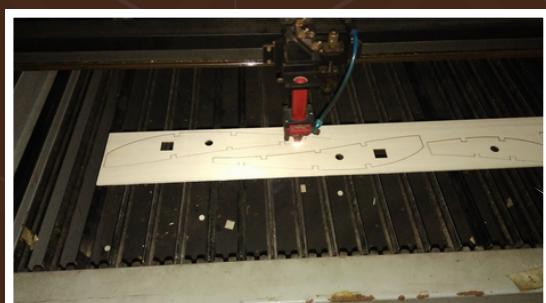
We carefully analyze the problem statement and evaluate different airfoils to select one. Then we start doing multiple iterations of rigorous calculation under given constraints to find the optimum configuration. A 3-D model is then generated using software, and every part of the model is analyzed.



Initial Design



Final Design



Laser Cutting



Assembly



MEDIA COVERAGE

Aircraft design of Adityapur tech cradle among global best at US aero design meet

NIT's Red Eagle flies high in Florida sky

OUR CORRESPONDENT

Sometimes, winning is more about soaring spirits than coming first.

Team Phoenix, a group of 25 budding engineers from Adityapur's National Institute of Technology (NIT), may not have won the top prize at the SAE Aero Design East Contest held in Florida, the US, between March 13 and 15 this year but the four students who went to represent their team surely had a memorable time.

Team Phoenix won the 25th position in the more competitive

The prestigious contest, organised in association with NASA and Lockheed Martin — a primary aircraft manufacturer of the US Army — pitted 75 teams from across the globe against each other.

Team Phoenix's model, The Red Eagle, was a 1.5kg aircraft that could double its own weight.

Made of balsa, flown with the 1600mAh batteries of about 32ft, it was separated into

uring 40x6 inches. Most importantly the plane had to be assembled within two minutes.

Four pupils — third-year metallurgy students Harsh Vardhan and Ankita Singh Chauhan, and their batch mates in the civil engineering department, Abhishek Kumar,

the model is Rs 45,000, which was borne by sponsors Bank of Baroda and Bank of India. The students also got monetary help from alumni members.

The certificate from NASA is a consolation for the team this time. "Next time, we will try to improve more and will

try to do better," said Ankita Singh Chauhan.

The students' parents were

overjoyed to see their sons

winning the competition.

Dubbed as the "Red Eagle",

the aircraft has a red body and white wings.

It has a white tail and a black

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SPONSORSHIP BENEFITS

1. Logo on plane



2. Banners



3. Cool Merchandise



4. Media Coverage



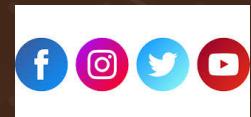
5. Showcasing



6. Tax Exemption



7. Social Media Promotion



8. Title race



CATEGORY	SPONSORED AMOUNT
Platinum+	1,20,000 & above
Gold+	75,000 & above
Silver+	25,000 & above
Bronze+	5,000 & above



Logo Description	Platinum+	Gold+	Silver+	Bronze+
Displayed on social handles	✓	✓	✓	✓
Displayed on Plane	✓	✓	✓	✓
Printed on T-shirt	✓	✓	✓	✗
Printed on Hoodies	✓	✓	✗	✗
Displayed on Banner	✓	✗	✗	✗
Respective size	5X	4X	3.5X	2.5X

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