

VIRTUAL TRAINING AND INTERNSHIP PROGRAM



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Coimbatore, India

ABOUT SKYLINE

Skyline Space is a leading space technology company specializing in the development and application of Rocket technology. We are committed to advancing the field of Launch Vehicles and leveraging their capabilities to revolutionize industries. As an intern at Skyline Space, you will have the opportunity to work alongside experienced professionals, gain experience with cutting-edge rocket technology, and contribute to innovative projects that push the boundaries of what rockets can achieve.

We are a dynamic space technology startup, driven by a relentless pursuit of innovation and a fervent love for space exploration.

INTERNSHIP AND TRAINING PROGRAM

The Rocket Design Internship Program at Skyline Space offers an exceptional opportunity for aspiring aerospace engineers to immerse themselves in the cutting-edge world of rocketry. As an intern, you will have the chance to collaborate with a diverse team of experts and contribute to the design, analysis, and optimization of next-generation rockets. Under the guidance of seasoned professionals, you will gain hands-on experience in various aspects of rocket design, propulsion systems, aerodynamics, and structural engineering.

This program is designed to challenge your skills, nurture your creativity, and provide you with real-world insights into the challenges and triumphs of the space industry. Join us at Skyline Space and play a pivotal role in shaping the future of space exploration through innovative rocket design.

Skyline is committed to creating a supportive and inclusive work environment, where interns are encouraged to ask questions, share ideas, and contribute to the team's success. We offer competitive compensation packages and flexible scheduling options to accommodate your academic commitments.

What knowledge and skills will you acquire through our internship?

As part of your role, you will have the chance to contribute to both ongoing and upcoming missions, which offers an excellent opportunity for personal and professional growth. During this time, you will also gain valuable knowledge and experience.

- Introduction of Rockets and Space Shuttles
- Earth orbits and types of orbits
- Classification of Propellants
- Interplanetary Transport system
- Rocket equation and staging
- Rocket Anatomy
- Solid, Liquid and Hybrid Rockets
- Specific Impulse

You will receive access to the necessary tools and resources.

- Exclusive Course e-booklet from Skyline Space.
- Designing and Analysing Skills.
- Research Assistance.
- Career Guidance.
- Get and chance to publish your research work.
- Live interactive classes from working professionals and instructors.
- Get connected with industry peoples.
- Internship and Course completion certificate.
- Letter of recommendation.
- Chance to get a job opportunity with Skyline Space.

SYLLABUS

ANSYS

- Aerodynamics and flow characterisation of Multi-Stage Rockets
- Converging and Diverging (CD) Nozzle Design in Fluent
- SpaceX Interplanetary Transport system simulation
- Flow simulation mesh
- Structural Analysis
- Thermal Analysis
- Modal Analysis
- Fluidic Propulsion of CFD

SOLIDWORKS

- 3D Modelling Fundamentals
- Solidworks Sheet Metal
- Supersonic Nozzle Design
- Space Shuttle Surface Modelling
- Parametric Design and Configurations
- Hypersonic Space Shuttle
- Missile Casing

RESEARCH AND DEVELOPMENT

- Solid Rocket Scarfed Nozzle Design
- High-Altitude Supersonic Sounding Rocket

Working on Live Project

Eligibility

All Engineering and Science department students.

1st Year student / 2nd Year student / 3rd Year student / 4th Year student / Passeded Out student /

Freshers / Job seekers / Working Professionals.

Important Details

Monday to Friday – 18:00 IST Onwards.

Internship Period – 30 Days

Platform – Microsoft Teams.

Recorded Sessions will be provided.

Training Fess – INR 1500 / Per candidate (Inclusive of e – Certificate and GST).

Contact Us

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Visit Us

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