

SKYLINE



# VIRTUAL TRAINING AND INTERNSHIP PROGRAM



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Coimbatore, India

## **ABOUT SKYLINE**

Skyline is a Space Startup focusing on Ed – Tech and Research & Development in Space Science and Technology Exploration. As of now, we are providing webinars, seminars, workshops, courses, and internships. Space is meant for everyone, anyone who has a passion for the space domain can join us and achieve high.

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**

As an intern, you will work alongside experienced professionals and have the opportunity to learn about various aspects of space technology, including spacecraft design, satellite communication, and mission planning. You will be involved in real-world projects, providing you with invaluable experience and skills that will be useful in your future career.

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.

- Satellite Structures
- Astrodynamics
- Satellite Communication
- Mission operations
- Control System Configurations
- Orbit and Trajectory
- Telemetry Tracking
- Navigation System
- Satellite and Spacecraft Propulsion System

**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

## Satellite

- Introduction to Satellites
- Basics of space flight
- Concepts of satellite subsystems
- Orbit Perturbation
- Satellite Designing
- Astrodynamics
- Satellite Implementation
- Spacecraft Propulsion
- Trajectories and Orbits

## Software Sessions

- CAD Modelling – CATIA, SOLIDWORKS
- Program data analysis – MATLAB and SIMULINK
- Simulation – ANSYS

## Applications and Case studies

- Mangalyaan
- Chandrayaan -1
- Mars Curiosity Rover

## Working on Live Project.

## Eligibility

All Science and Engineering departments are eligible.

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 (3 June 2023 – 3 July 2023)

Platform – Microsoft Teams.

Recorded Sessions will be provided.

Training Fess – INR 1500 / 25 \$ USD Per candidate (Inclusive of e – Certificate and GST).

UPI NUMBER FOR INDIAN CANDIDATES – +91 91501 12055

PAYPAL FOR INTERNATIONAL CANDIDATES –

[https://paypal.me/skylinespace?country.x=IN&locale.x=en\\_GB](https://paypal.me/skylinespace?country.x=IN&locale.x=en_GB)

## Contact Us

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