

ROCKET SCIENCE IS NOT THE
ROCKET SCIENCE ANYMORE.

SATELLITE

MASTERCLASS

SPACE TECHNOLOGY AND AERONAUTICAL ROCKETRY

ABOUT STAR

STAR - Space Technology and Aeronautical Rocketry is a space education and launch service based startup that aspires to make space for everyone. Our vision is to make space easily accessible at an affordable cost.

Space Technology and Aeronautical Rocketry is incorporated as Avkashyaan Private Limited & recognized under Startup India by DIPP.

We are shaping our future in evolving space technology by providing space education to aspiring space pioneers to touch space. We have so far reached to 1,20,000+ students across the world and we aspire to reach millions by 2022.

WHY SATELLITE MASTERCLASS?

Satellite industry is rocketing up exponentially. With the advancement in the fabrication technologies, satellites have become smaller in size and lighter in weight. Due to it, space have become easily accessible and more affordable.

Satellite Masterclass introduces young minds to the various concepts of fundamentals of satellites, subsystems, orbit design and simulation, physics, and engineering involved in space missions. LIVE interaction with students helps in answering their questions and solving queries in real time.

3 STEPS TO BE ON BOARD

1. Fill up the Registration form
2. Submit the registration fee
3. Confirm your seat

ABOUT SATELLITE MASTERCLASS

It's a 3-day certified training program which consists of:

DAY 1: Fundamentals of Satellites and Subsystems

You will get to learn about the classification of satellites based on their size and applications. You will be introduced to the fundamentals of various subsystems of satellites such as payload/sensors, working of spectrometer, onboard computer/command and data handling, electrical power system, communication system, attitude determination and control systems, and satellite structure.

DAY 2: Orbital Mechanics

You will get to understand the implementation of Kepler's Law in space missions. Also, you will get to learn 6 important Keplerian elements required to design and determine orbits. You will also get hands-on experience on orbit design and simulation in General Mission Analysis Tool software.

DAY 3: Orbital Perturbation & Communication Losses

Here you will be learning about the effects on satellite orbits due to irregularity in Earth's shapes & gravity of other celestial objects. Also you will get to know about the types and reasons for the communication losses.

Hell lots of questioning!

OTHER DETAILS

Registration fees: INR 900 per participant (including GST)

Online platform: Google Meet

Level: Basics + Advanced

Mode: Online

Registration Criteria: Open for all

CONTACT INFORMATION

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For upcoming events and opportunities,

[CLICK HERE](#)

SPACE IS FOR EVERYONE!