



Ref- ISA/IND/PA/105/2026

Date: 09 April 2026

Public Announcement

Summer Training 2026

India Space Academy is pleased to announce the Summer Training 2026, a premier educational initiative aimed at equipping students with advanced knowledge in Astronomy & Astrophysics and Remote Sensing & GIS. This online training program is designed to provide both theoretical understanding and practical exposure under the expert guidance of scientists/faculties from ISA/IITs/ISRO/DRDO.

➤ The program is scheduled to be conducted from **19th May 2026 to 2nd July 2026**.

The training sessions will be conducted from **19th May to 4th June 2026**, during which participants will attend expert-led interactive online lectures. After the completion of the training sessions, participants will be required to undertake **project work**, which will commence from **5th June 2026**, with the final submission deadline on **2nd July 2026**.

Participants who successfully complete and submit the project will be awarded an **Internship Completion Letter (indicating a 45-day duration)**, whereas those who do not undertake the project will be issued a **Training Certificate (indicating a 15-day duration)**.

Training Subjects:

1. Astronomy & Astrophysics: Heliophysics with Aditya L1 Data
2. Remote Sensing & GIS using Python

Eligibility & Requirements:

- Open to **Undergraduate (UG), Postgraduate (PG), and PhD students** who are currently pursuing or have completed their degrees.
- Research scholars/Faculties/Lecturers interested in these domains are also encouraged to apply.
- Participants **must have a laptop/computer and a stable internet connection** to attend **online sessions and complete project work**.

Application Process:

- The application must be done online at the registration link given below.
- Applicants can select the training subject based on their area of interest.
- Admission is strictly on a **first-come, first-served basis**.
- Available seats are as follows:
 1. Astronomy & Astrophysics: **1140 seats**
 2. Remote Sensing & GIS: **1140 seats**
- The registration portal will close once the capacity is reached.
- The program duration (training + internship) is **45 days (6 weeks)**

Training Conduction:

- The training will be conducted in **online mode** via the Zoom platform.
- A **WhatsApp announcement group** will be created for official updates.
- Each participant will get access to the **LMS portal** to view personal details, session link, session recordings, and learning resources.
- The training schedule will be shared in due course.
- The trainees/project interns shall not be eligible for any stipend/remuneration/financial assistance.

भारत अंतरिक्ष अकादमी

अंतरिक्ष शिक्षा विभाग (आईएसडब्ल्यू)

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India Space Academy

Department of Space Education (ISW)

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Email : info@isa.ac.in, contact@isa.ac.in

Website: www.isa.ac.in

Session Timings: Tentative Session time is as follow

- Remote Sensing & GIS: 2:00 PM – 4:00 PM (IST)
- Astronomy & Astrophysics: 5:00 PM – 7:00 PM (IST)

Fee Structure:

- **Training Fee: ₹1,750**
- The fee includes expert-led sessions, administrative processing, and LMS access.
- The training fee is **non-refundable**.

Internship Opportunity:

Participants who undertake a project under the India Space Academy and successfully submit their report will have their training upgraded to an internship. They will receive an **Internship Completion Letter** along with the **Training Certificate**.

- The internship will be conducted in **online mode**.
- **No stipend** will be provided.

How to Register:

- **Registration Link:** <https://isa.internship.indiaspaceweek.org/>
- **Registration Start Date:** 09th April 2026
- **Registration End Date:** 15th May 2026



भवदीय

निदेशक/Director

भारत अंतरिक्ष अकादमी/India space Academy

नई दिल्ली/New Delhi

निदेशक कार्यालय/Director Office

भारत अंतरिक्ष अकादमी/India Space Academy



INDIA SPACE ACADEMY

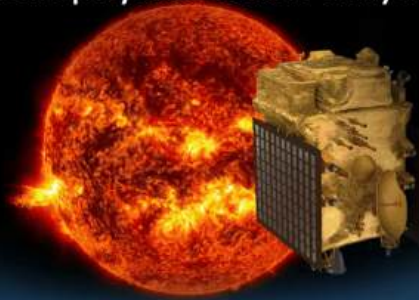
PRESENTS

SUMMER TRAINING 2026

EXPLORE THE FRONTIERS OF SPACE SCIENCE | 6 WEEKS | ONLINE & PROJECT-BASED

SUBJECT 1:

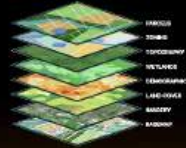
Astronomy And Astrophysics: Heliophysics With Aditya L1



- Solar Physics
- Space Weather
- Data Analysis

SUBJECT 2:

REMOTE SENSING & GIS USING PYTHON



- Geospatial Data
- Satellite Imagery
- Automation

PROGRAM OVERVIEW: 2 PHASES

Phase I: Training

(19th May- 4th June 2026)



LIVE CLASSES | HANDS-ON | EXPERTS

15 Days Online Training by Scientists
from ISA/IITS/ISRO/DRDO

Phase II: Project Work

(5th June- 2nd July 2026)



REAL-WORLD PROJECTS | INNOVATION | RESEARCH

Internship Phase | Choose
Projects based on Interest

CERTIFICATION



- 15-DAY TRAINING CERTIFICATE (Phase 1)
- 45-DAY INTERNSHIP LETTER (mandatory project work)
- PROJECT EVALUATION REPORT

Earn 45 Days Internship Letter by
Completing Minimum Two Projects

LMS Portal Benefits

- SINGLE WINDOW
- Recorded Sessions
- Resource Material
- Quiz & Assignments
- Project Work

REGISTRATION DETAILS

START: 09th APRIL 2026

END: 15th MAY 2026

<https://isa.internship.indiaspaceweek.org/>

Summer Training **2026**

Training and Internship Program



India Space Academy
Department of Space Education

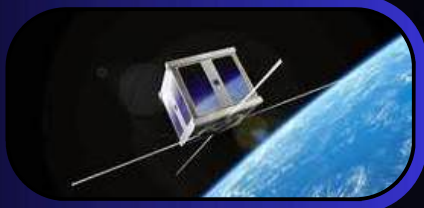
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About India Space Academy



India Space Academy is an academic institution under the Department of Space Education of India Space Week. India Space Week is an autonomous body supported by the central and state governments. The role of India Space Week is to promote space education and employment among the students, teachers, and research scholars of schools, colleges, universities, and institutions. The academy develops workshops that spread awareness about the current requirements of the space industry. Additionally, it develops various programs to equip students with the necessary information, skills, practical experience, research exposure, and training to make them future-ready.

Mission

Mission: The mission of India Space Academy is to cultivate a premier technical learning environment that bridges the gap between academic theory and industry demands in the space sector. By delivering high-quality, research-driven education in specialised domains such as Satellite Technology, Remote Sensing, and Advanced Robotics, the academy empowers students and professionals with hands-on expertise. Through curricula aligned with modern educational standards and a commitment to fostering a collaborative network of experts and learners, the institution aims to build a future-ready workforce capable of driving global innovation and scientific discovery.



Vision



To create a sustainable ecosystem where innovation and advanced knowledge in space science are accessible to all. India Space Academy envisions a future where aspiring professionals are empowered with the high-end skills necessary to drive the next frontier of human discovery and technological excellence.

Program Vision

The Summer Training 2026 aims to bridge the gap between academic learning and high-level industrial application by providing a rigorous, research-oriented platform for aspiring scientists and professionals. By integrating the study of advanced solar physics through Heliophysics with Aditya L1 and the practical implementation of Remote Sensing and GIS using Python, the program seeks to cultivate a future-ready workforce equipped with the technical expertise and analytical skills necessary to drive innovation in space science and Earth observation.

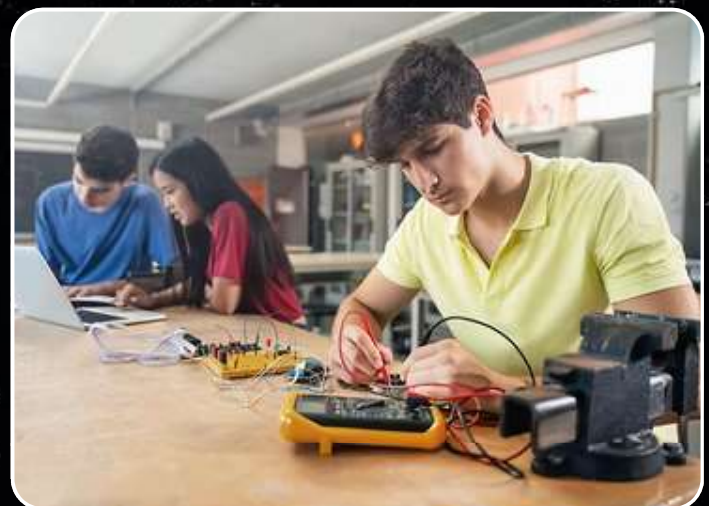




Key Objectives



- **Specialised Technical Training:** To provide in-depth theoretical and hands-on training in two distinct tracks—Astronomy and Astrophysics or Remote Sensing and GIS—allowing participants to specialise according to their academic or professional interests.
- **Expert-Led Knowledge Transfer:** To facilitate direct learning from distinguished scientists and experts from premier institutions such as ISA, IITs, ISRO, and DRDO, ensuring the curriculum meets global industry standards.
- **Practical Project Execution:** To transition from theoretical concepts to real-world application through a dedicated project phase, where participants must complete at least two specialised projects to demonstrate their understanding and technical proficiency.
- **Digital Resource Accessibility:** To offer a streamlined learning experience via a centralised LMS portal, providing a single window for live classes, recorded sessions, resource materials, and project evaluations.
- **Professional Certification and Validation:** To provide formal recognition of skills through a tiered certification process, including a 15-day training certificate, a 45-day internship completion letter, and a comprehensive project evaluation report.
- **Interdisciplinary Inclusivity:** To create a collaborative learning environment open to a wide demographic, ranging from undergraduate students and research scholars to government and private sector professionals.





Program Overview & Timeline









Program Overview

The Summer Training 2026 by India Space Academy is a comprehensive, 45-day intensive program designed to provide deep technical expertise in space science and Earth observation. Participants can choose between two specialised tracks: Astronomy and Astrophysics (Heliophysics with Aditya L1) or Remote Sensing and GIS using Python.

The program is structured into two distinct phases: a 15-day synchronous training phase featuring live sessions from scientists and experts at ISA, IITs, ISRO, and DRDO, followed by a 30-day project phase. Managed through a centralised LMS portal, the program offers a seamless experience for accessing resources, attending live classes, and submitting assignments. Completion of the project phase is mandatory for those seeking a full 45-day internship certification, ensuring that every graduate possesses both theoretical knowledge and practical application skills.





Phase / Activity	Dates	Description
 Registration Period	 09 April - 15 May 2026	Enrollment Window for UG/PG/PHD Students and Professionals.
 Phase 1 : Training	 19 May - 04 June 2026	15 days of online theory and hands-on training with experts.
 Phase 2 : Project Work	 05 June - 02 July 2026	Participants execute a minimum of two projects in their chosen track
 Project Submission	 02 July 2026 (Strict Deadline)	Final Strict deadline for all project submission via the LMS.
 Certification	 To be announced	Release of Training Certificates and internship Letters
 Evaluation Report	 ~ August 2026 onwards	Detailed project reports are released after thorough evaluation.





Technical Curriculum & Modules



Tentative Syllabus

Track 1: Astronomy & Astrophysics

Subject Focus: Heliophysics with Aditya L1



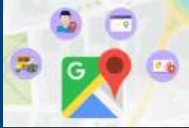




Module	Topics Covered
	Solar Fundamentals <ul style="list-style-type: none">• Introduction to Solar Physics: Interior, Photosphere, Chromosphere, and Corona.
	Aditya L1 Mission <ul style="list-style-type: none">• Mission objectives, Orbit (Lagrange Point L1), and the 7 Scientific Payloads (VELC, SUIT, ASPEX, etc)
	Solar Phenomena <ul style="list-style-type: none">• Studying Solar Flares, Coronal Mass Ejections (CMES), and Solar Wind dynamics.
	Space Weather <ul style="list-style-type: none">• Impact of solar activity on Earth's magnetosphere, satellites, and communication systems
	Data Analysis <ul style="list-style-type: none">• Introduction to utilizing ISRO's PRADAN portal and analyzing solar imagery/spectral data.
	Advanced Topics <ul style="list-style-type: none">• Solar cycle variations, magnetic reconnection, and helioseismology basics.



TRACK 2 : REMOTE SENSING & GIS



Subject Focus : Practical Implementation using Python

Module	Topics Covered
 Python Foundations	Basics of Python Syntx, Data Types,Loops,Functions,and Libraies(Numpy,Pandas)
 Remote Sensing Basics	Electromagnetic Spectrum & Satellite Sensors ✓ Digital Image Processing Fundmentals
 Geospatial Libraries	Hands - on with Specialized Libraries <div style="display: flex; justify-content: space-around; align-items: center;"> Rasterio Geopandas GDAL Shapely </div>
 GIS Opperations	Vector vs. Raster Data & Spatial Analysis ✓ Coordinate Reference Systems (CRS), Spatial Joins , and Buffering 
 Satellite Imagery	Processing Real Satellite Date ✓Sentinel/ Landset,NDVI Calculation,& Change Detection <div style="display: flex; justify-content: space-around; align-items: center;"> Sentinel Landsat </div>
 Automation & ML	Automation Workflow & Machine Learning ✓Automate GIS tasks & Intro to ML for <div style="background-color: #6f42c1; color: white; border-radius: 15px; padding: 5px 10px; display: inline-block;">Land- Cover Classification</div>



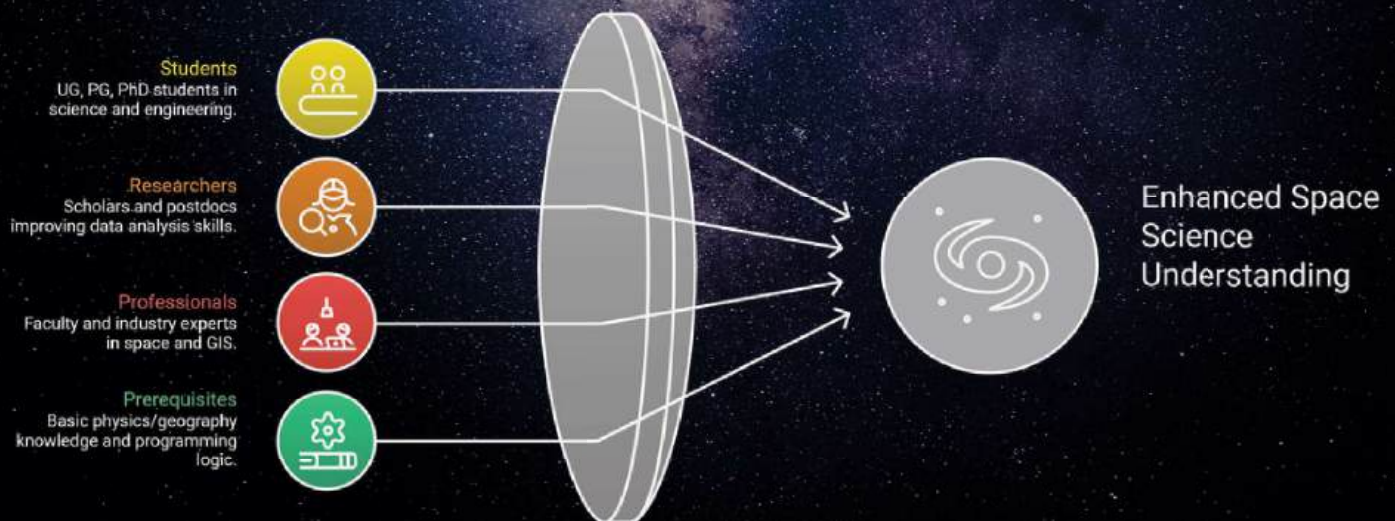


Eligibility Criteria



The program is designed for a broad range of participants interested in space science and its practical applications:

- **Students:** Currently pursuing or graduated from UG, PG, or PhD programs (B.Sc., M.Sc., B.Tech, M.Tech, etc.) in Physics, Mathematics, Geography, Computer Science, Engineering, or related fields.
- **Researchers:** Research Scholars and Postdoctoral Fellows looking to enhance their data analysis skills.
- **Professionals:** Faculty members, and working professionals from the Government or Private sectors (Space startups, GIS firms, Environmental agencies).
- **Prerequisites:** Basic knowledge of physics/geography is helpful. For the Remote Sensing track, a basic familiarity with any programming language is an advantage but not mandatory, as the course covers Python from the basics.








Certification



The certification process for the Summer Training 2026 is designed to validate both the theoretical knowledge gained during the training phase and the practical skills demonstrated during the project phase. To maintain high academic and professional standards, the certificates are categorised based on program participation and successful completion of requirements.



Certificate Type	Duration	Requirement	Release Date
 Training Certificate	15 Days	<ul style="list-style-type: none"> Completion of the initial online training phase (Theory & Hands-on) 	After 02 July 2026
 Internship Completion Letter	45 Days	<ul style="list-style-type: none"> Completion of the training phase PLUS successful submission of at least two projects. 	After 02 July 2026
 Project Evaluation Report	N/A	<ul style="list-style-type: none"> Detailed assessment of the submitted projects by experts. 	-August 2026 onwards

Important Guidelines

- **The Project Mandate:** Submission of at least two projects is strictly mandatory to earn the 45-day Internship Completion Letter. Participants who choose not to do the project or fail to submit by the deadline will only receive the 15-day Training Certificate.
- **Strict Submission Deadline:** The last date for project submission through the LMS portal is 02 July 2026. This deadline is final and will not be extended for any reason.
- **Evaluation Timeline:** While the primary certificates and internship letters are released shortly after the program ends, the Project Evaluation Report requires a thorough review by scientists and experts. This process typically takes one month or more following the submission deadline.
- **Digital Access:** All certificates, letters, and reports will be accessible via the website, which serves as the permanent record for participant credentials.





Registration Details



- **Registration Start:** 09th April 2026
- **Registration End:** 15th May 2026
- **Registration Fee:** ₹1,750 /- (Non Refundable)
- **Registration Link:** <https://isa.internship.indiaspaceweek.org/>
- **Select your preferred track:** Astronomy & Astrophysics or Remote Sensing & GIS.
- Complete the payment and provide the required personal and academic/professional information.
- Upon successful registration, a confirmation email will be sent to your registered email.

Logistics & Platform Access

The entire 45-day program is conducted in a virtual/online format, allowing participants from across the country and abroad to join without travel requirements.

Technical Requirements

- A stable internet connection.
- A laptop or PC (required for the hands-on project phase, particularly for Python-based Remote Sensing).
- Basic software installations as guided by the trainers during the first week.



CONTACT INFORMATION



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