



ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAMME ON ASTRONOMY



ASTRONOMY

**ORGANIZED BY
INDIA SPACE WEEK
SPONSORED BY INDIA SPACE ACADEMY**

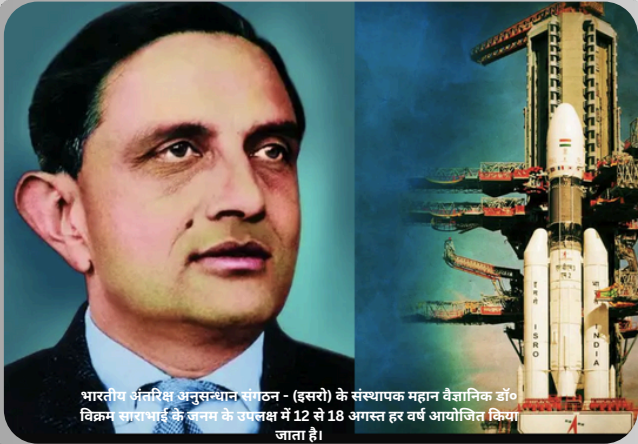
Coordinator

India Space Academy
(a unit of India Space Week)
email: contact@isa.ac.in
web: www.isa.ac.in
Ph: 011-35809457

Dr. Prabhanshu Kumar
State Coordinator
India Space Week
email: up@indiaspaceweek.org
Ph: 9454394963/011-35809475



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About India Space Week

India Space Week is an autonomous institute that works to enhance students' interest in space science with the collaboration of the Government of India and various state governments. This institute is affiliated with international agencies such as UN-GGIM, NASA, JAXA, ISRO, IN-SPACE, and others. The event is held annually from August 12 to 18 in honor of Dr. Vikram Sarabhai, the founder of the Indian Space Research Organisation. During this week, space science labs are established in universities, colleges, and schools to provide students with practical experience.

About India Space Academy

India Space Academy is a programme initiated by India Space Week of India and designed to achieve the three cardinal principles of Education Policy via., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. India Space Academy seeks to bridge the Space Education divide for students who have hitherto remained untouched by the Space Education revolution and have not been able to join the mainstream of the knowledge economy.



About Course

One week Faculty Development Programme (FDP) aimed at enhancing knowledge and teaching methodologies in astronomy. This programme will cover essential topics such as observational astronomy, astrophysics, space exploration, and recent developments in the field. Designed for faculty members, researchers, and educators, the FDP will include expert-led lectures, hands-on sessions, and interactive discussions to help participants gain a deeper understanding of astronomy and its applications. By the end of the programme, attendees will be better equipped to integrate advanced astronomical concepts into their teaching and research practices.





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Eligible Teachers

The Astronomy Faculty Development Programme typically targets educators, researchers, and professionals who have an interest in the field of astronomy and astrophysics. Participants may include:

1. **University/College Professors and Lecturers:** Those have interest in astronomy.
2. **Postdoctoral Researchers:** Early-career scientists looking to enhance their teaching skills.
3. **PhD Students:** Graduate students aiming to pursue academic careers.
4. **School Teachers:** Educators interested in introducing astronomy into their school.
5. **Planetarium Educators:** Professionals working in educational outreach at planetariums or observatories.

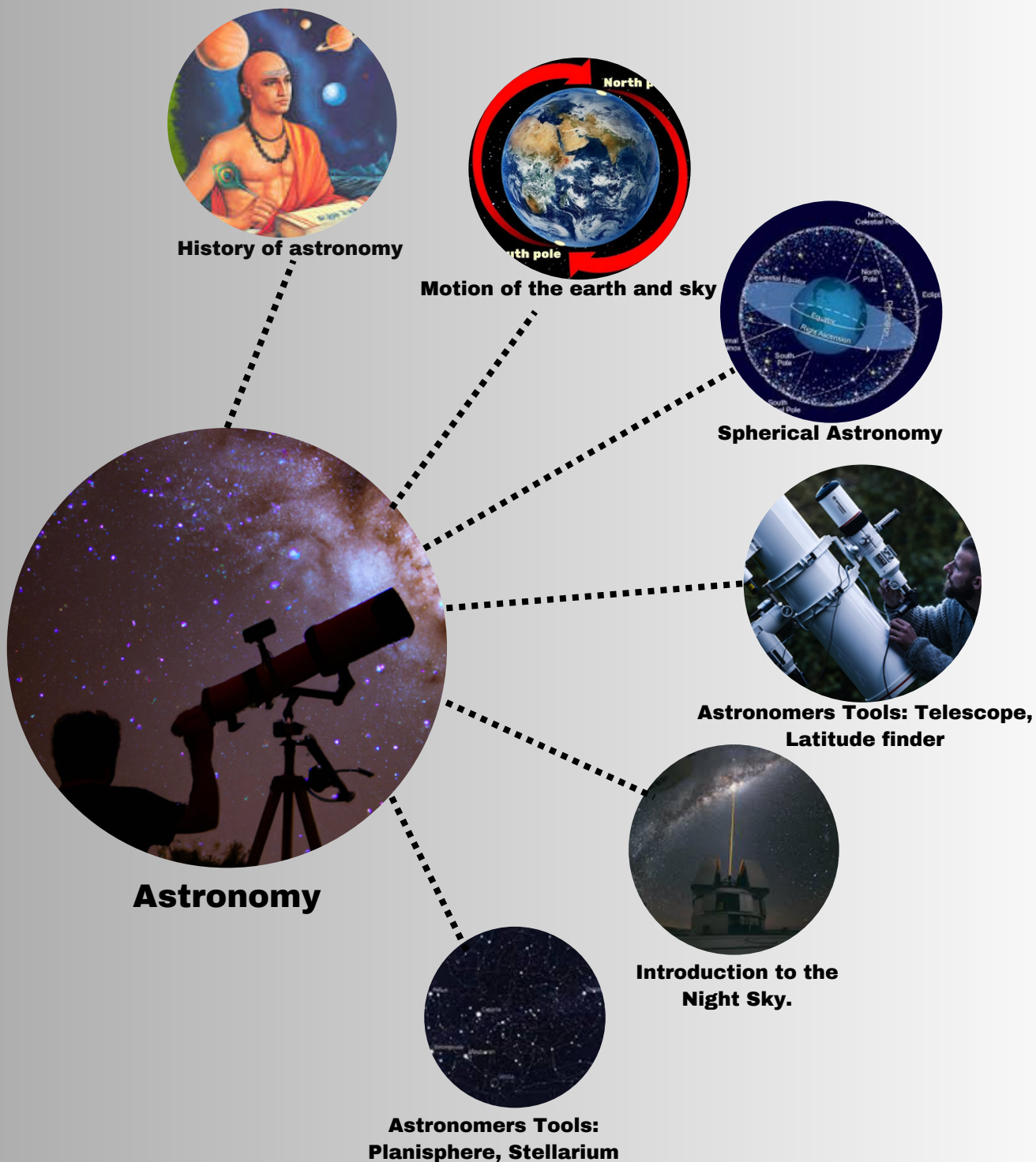
FDP Flow and Teaching

1. **Mode of Teaching (Online)** Theory and Practical learning. Share real world application.
2. **Emerging/Core subject area domain knowledge/content.**
3. **Related Pedagogical approach** including technology integration.
4. **Ask key takeaways** at the end of session for understanding

Benefits for Faculty

1. **Enhanced Subject Knowledge:** Teachers gain a deeper understanding of astronomical concepts, theories, and recent developments in the field.
2. **Teaching Methodologies:** Participants learn effective teaching strategies specific to astronomy, including how to explain complex concepts in an engaging manner.
3. **Hands-On Experience:** Practical sessions may involve using telescopes, software simulations, or planetarium tools, allowing teachers to experience astronomy firsthand.
4. **Integration of Technology:** Teachers discover how to incorporate technology into their lessons, such as using online resources, simulations, and data analysis tools.
5. **Curriculum Development:** The programme provides insights into developing or improving existing astronomy curricula, making it more relevant and engaging for students.
6. **Collaboration Opportunities:** Networking with fellow educators and astronomers fosters collaboration, idea sharing, and potential joint projects.
7. **Research Exposure:** Teachers may be introduced to current research trends and opportunities, enhancing their professional growth.
8. **Improved Student Engagement:** By acquiring new skills and knowledge, teachers can inspire students and make astronomy more appealing and accessible.
9. **Updated Resources:** Access to the latest teaching materials, research papers, and educational tools tailored to astronomy.

FDP CURRICULUM





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Award of Certificate

Participants in the Faculty Development Programme on Astronomy will receive a certificate upon achieving a minimum of 75% attendance. The Faculty Development Programme on Astronomy Certificate will be awarded by the India Space Week and India Space Academy (ISA).

Conclusion

This Faculty Development Programme offers a unique opportunity to expand your expertise and engage with the vibrant world of astronomy. By participating, you will not only enhance your own knowledge but also contribute to cultivating a passion for the cosmos in your students, paving the way for the next generation of astronomers and space enthusiasts. Join us on this exciting journey to explore the wonders of the universe!

Course Registration

The Registration Link is available at India Space Academy
(<https://isa.indiaspaceweek.org/course/>)

Course Schedule

Eligibility: Intermediate
Course Duration: 1 Week
Lecture per Hours: 60 Min
Mode of Study: Online
Fee : 1450/-