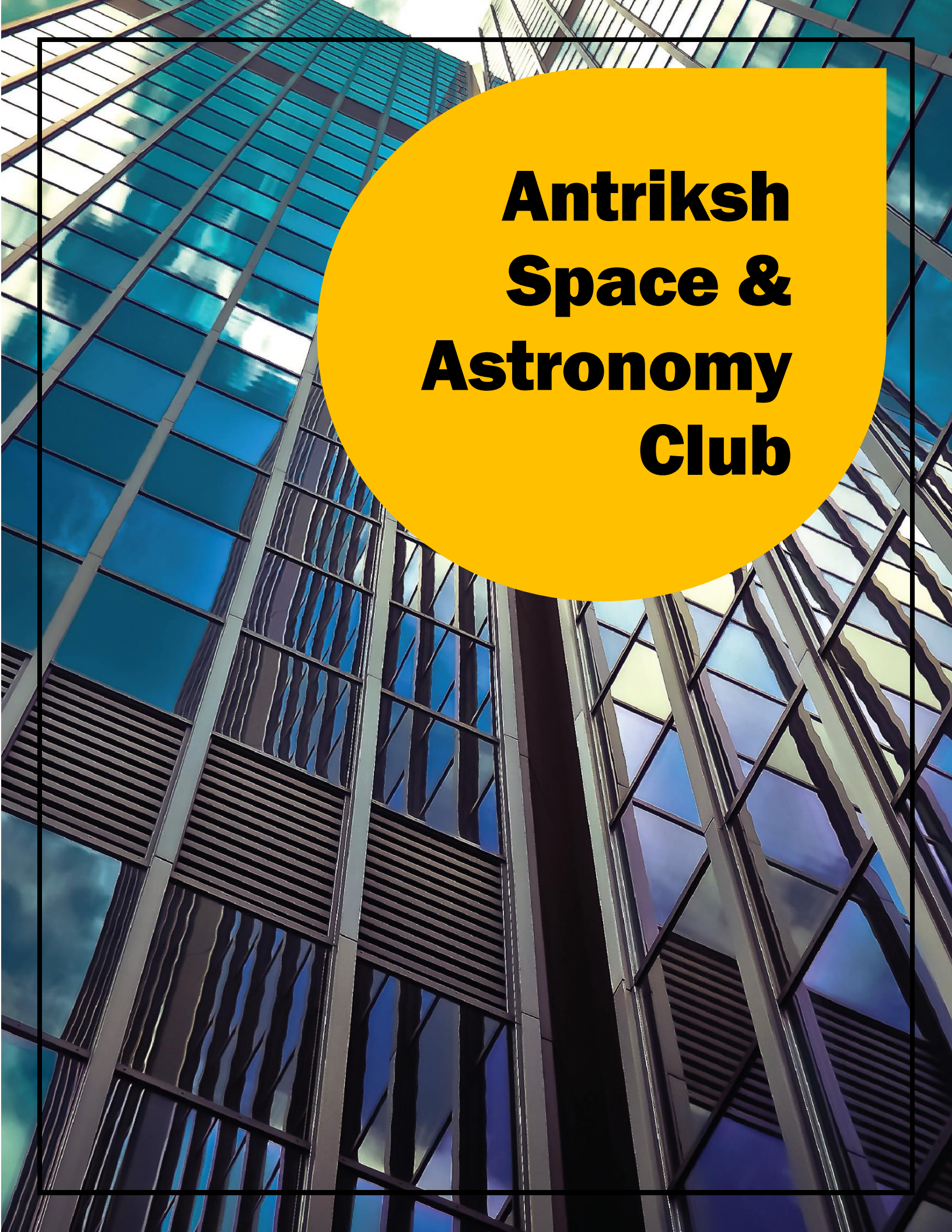


Antriksh Space & Astronomy Club

AN EXTRACUURICULUAR REPORT ON

ANTRIKSH SPACE & ASTRONOMY CLUB SIT PUNE

BACHELOR OF TECHNOLOGY
IN
(MECHANICAL ENGINEERING)

SUBMITTED BY

RAUNAK SHARMA (PRN 20070125025)

IN THE NAME OF

SIT Space & Astronomy Club

UNDER

Dr. Chandrakant Sona wane
Dr. Anindita Roy

SYMBIOSIS INSTITUTE OF TECHNOLOGY

(A CONSTITUTENT OF SYMBIOSIS INTERNATIONAL UNIVERSITY)

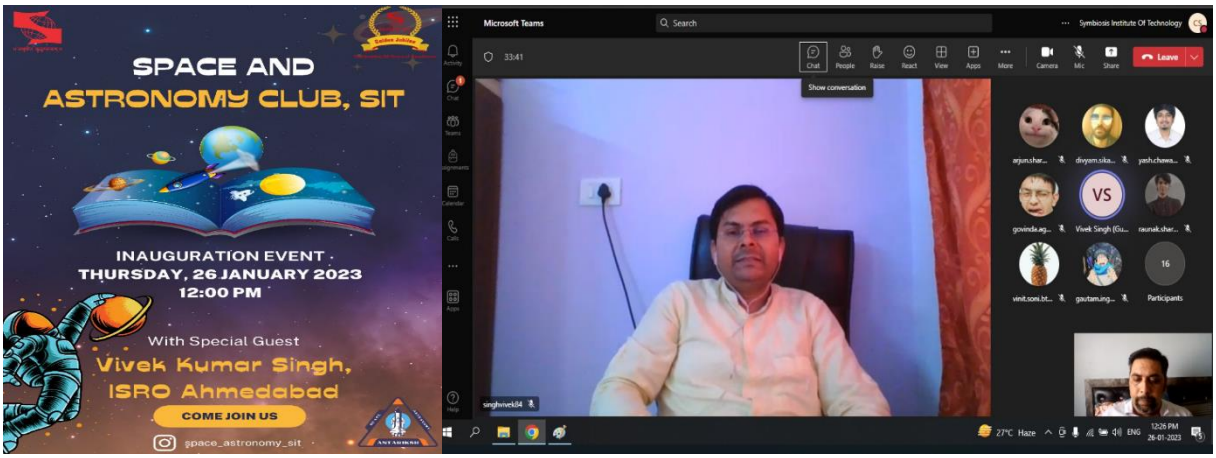
Pune – 412115

Antriksh SIT Space & Astronomy Club Pune

Introduction

In recent years, the fascination with space exploration and astronomy has captured the imagination of countless individuals, inspiring curiosity and wonder about the vast cosmos that lies beyond our planet. The Symbiosis Institute of Technology (SIT) Space Club stands as a beacon of enthusiasm and passion for the cosmos within the academic community. This report aims to provide an overview of the SIT Space Club, elucidate the significance of space and astronomy clubs in colleges and universities, and explore the myriad benefits that students and individuals can reap from being part of such an endeavor.

Symbiosis Institute of Technology Space Club



The SIT Space Club is an amalgamation of like-minded students, faculty, and enthusiasts who share a common interest in space exploration, astronomy, and related sciences.

Established with the purpose of fostering a deeper understanding of celestial phenomena, the club endeavors to nurture scientific inquiry, innovative thinking, and space-related research within the academic environment of Symbiosis Institute of Technology.

Through a diverse range of activities and events, the Space Club aims to create an engaging platform that encourages students to explore the mysteries of the universe and participate in hands-on experiences.

The club organizes workshops, seminars, stargazing sessions, and educational outreach programs that inspire members to pursue their passion for space and astronomy and contribute to the field of space science.

SPACE ASTRONOMY ANTARIKSH

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SYMBIOSIS
INSTITUTE OF TECHNOLOGY

Importance of Space and Astronomy Clubs in Colleges and Universities

Space and astronomy clubs play a pivotal role in the academic community by serving as catalysts for scientific curiosity and fostering a deeper appreciation for the cosmos. These clubs are essential for several reasons:

1. **Knowledge Expansion:** Space and astronomy clubs provide students with the opportunity to delve into the intricate realms of astrophysics, cosmology, planetary science, and other space-related fields. They supplement formal education by offering access to resources, expertise, and cutting-edge research, expanding students' knowledge beyond the confines of traditional classroom learning.

2. **Inspiring Future Careers:** Engaging in space-related activities and research within a club setting can ignite a passion for space sciences, leading students to consider career paths in space exploration, aerospace engineering, astrophysics, and related industries.
3. **Community and Collaboration:** These clubs foster a sense of community among students with shared interests. They create an environment where members can collaborate, exchange ideas, and work collectively on projects that advance their understanding of space and astronomy.
4. **Practical Experience:** Through organizing workshops, stargazing events, and experiments, space clubs offer hands-on experiences that complement theoretical knowledge. This practical exposure equips students with valuable skills in observation, data analysis, and problem-solving.

Benefits of Being Part of a Space Club

The advantages of joining a space and astronomy club extend beyond academic development:

1. **Networking Opportunities:** Students get the chance to interact with professionals, researchers, and enthusiasts in the field, enhancing their networking opportunities and potentially opening doors to future collaborations and internships.

2. **Personal Growth:** Membership in a space club nurtures critical thinking, teamwork, leadership, and communication skills, all of which are invaluable attributes for personal and professional growth.

3. **Wonder and Inspiration:** Exploring the cosmos evokes a sense of wonder and awe, instilling a broader perspective on life and the universe. It inspires creativity and innovative thinking, pushing individuals to look beyond the boundaries of current knowledge.
4. **Contributing to Society:** By participating in outreach programs and events, space club members have the chance to contribute to society by sharing knowledge and passion for space sciences with the wider community.

In conclusion, space and astronomy clubs like the Symbiosis Institute of Technology Space Club are indispensable platforms that ignite curiosity, drive innovation, and foster a deeper appreciation for the cosmos.

They provide students with numerous benefits, ranging from educational and career opportunities to personal growth and the joy of exploring the mysteries of the universe.

As the report unfolds, we will delve into the specific activities and achievements of the SIT Space Club, showcasing its positive impact on students and the academic community at large.

To,
Respected Director sir,
SIT, Pune.

Subject: Requesting approval to start a Space and Astronomy Club at Symbiosis Institute of Technology, Pune.

Respected Sir,

Now a day an advancement in space and astronomical technology progress rapidly, we believe that students at SIT, Pune need to know and explore the state of art technical aspects and system processes that helps to make these Space and Astro projects and advancements a success. The SIT student would also need to be updated with the ongoing developments in the aforementioned field. We also believe that for the students of science and technology, this club will be engaging them by giving a hands-on experience on the concepts of the scientific principles that the students will learn via the medium of this club in a fun and engaging way. Following are few tentative activities thought and planned by the student committee member

- **Activities:**
    - Stunt Kite and flight system concepts
    - Water Propelled Rockets and launching
    - R.C. Planes and drones
    - Telescope and Astronomy
    - Glider model making
    - Boomerangs and planes modelling
    - Visit to ISRO, IPR and Space related bodies/organization.

Student Organizing Committee (Tentative):

Raunak Sharma
Divyam Singh Sikarwar
Govinda Agrawal
Gautam Ingle
Yash Chawan

Faculty Incharge: Dr. Chandrakant R. Sonawane.

How are we different from other already existing dynamic clubs at SIT?

Space and Astronomy Club – Centered on space, Astro and aviation systems that is segregated into separate divisions that include a wide array of activities ranging from stargazing, astronomy, physical modelling and simulation, documentation, financing, etc.

We will be conducting guest lectures, industrial visits, workshops, events, and more to bring a hands-on experience on aviation systems in an attractive and mesmerizing manner that would encourage learning, creative and critical thinking and team-building abilities in the members of the club. We will also provide a platform for students interested in writing research papers, patents, etc., and activities that generate and ignite curiosity.

At present we have 50 interested students (based on interest collected from SY TY and Final year Mechanical students), the number would likely to increase on proper publicity.

We thank you for your constant and much appreciated guidance and support, hoping that you pilot us in expanding this initiative by providing us the necessary approval to start the club. Also, for the club initial activities, we don't need any financial support for the current year from SIT, Pune.

Thanking you with warmest regards,
Team Space and Astronomy Club.

Faculty Incharge,
Dr. C. R. Sonawane

HOD, Mech,
Dr. Anand Pandey

Director,
Dr. K Kotecha

Student Organizing Core Committee:

1. Dr. Prof. Chandrakant Sonawane
2. Dr. Prof. Anindita Roy (New member)

4th Year Original Committee [also co-founders]

3. Raunak Sharma (Club Head)
4. Arjun Sharma (Social media & Marketing Head)
5. Yash Chawan (Documentation Head)
6. Divyam Singh Sikarwar (Events Head)
7. Gautam Ingle (Events Co-head)
8. Govind Agrawal (Design Head)

New Members (Now in charge)

9. Devarshi Bhawale (2nd year)
10. **Divija Gutupalli (Design Co-head Head 4th year)(graduated)**
11. Aryan Patil (1st year)
12. Neha Agrawal (3rd year)
13. Jayesh Desai (2nd year)
14. Yash Joshua Lakra (2nd year)
15. Prakhar Gupta (1st year)
16. Dhruv patil (1st year)

The Core committee is assigned in such a way that tasks keeps on rotating and are given to persons as per their interests and abilities. This provides the opportunity for all members to obtain new technical, social, communication & other soft skills that are necessary not just in the club but later in personal and professional life, career and development.

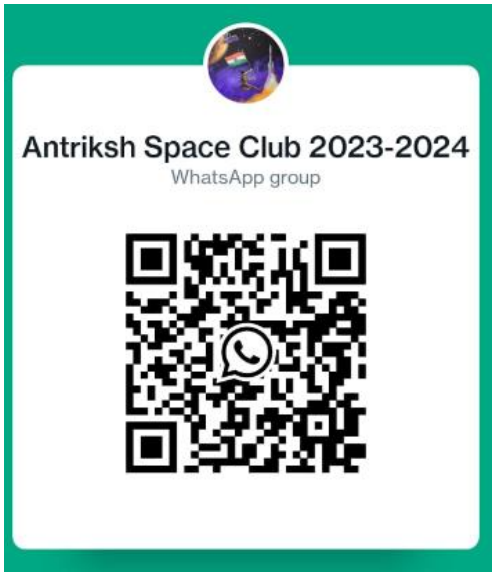
In this semester, new members from other years were also assigned who will be working under the 4th year members and learn the various array of skills and managerial necessities required. This ensures a quick, fun, and efficient peer to peer learning opportunity as well as good team bonding and team working skills.

Socials

- **GOOGLE FORM LINK**
  (From editor POV)
  https://docs.google.com/forms/d/1Lw2gW_Yq4RKPnNOUa934Dk1GpOMOx4QiEPqXW7lrE7c/edit?ts=64b4f67c#responses

- **https://forms.gle/SJiCH4rhFK7tMG1V9**
  (Google from link from participant POV)

- **WhatsApp Group Link and QR Code**
  https://chat.whatsapp.com/CUIJcRCFxQF5F9QEWh0fPi



Insta
https://www.instagram.com/space_astronomy_sit/?igshid=MzMyNGUyNmU2YQ%3D%3D

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