



**KALPANA CHAWLA  
SPACE ACADEMY**

A division of Vidy Niketan Education Trust

**ISRO**



# 1<sup>st</sup> International Hybrid Conference

## Space Science Technology & Management

### Integration | Information | Innovation | Investment

**ICSSTM - I - 19<sup>th</sup> and 20<sup>th</sup> Jan 2026**

**Kalpana Chawla Space Academy, Lonavla, Maharashtra**

**Co-organisers –**  
**ISRO India, MUST Malaysia, Nehru Science Centre Mumbai**

 **Nehru Science Centre, Dr. E. Moses Road, Worli,  
Mumbai – 400 018, Maharashtra, India**

**Theme :**  
**Space Science Education,  
Contemporary Management &  
Capacity Building**





## Theme: Space Science Education, Contemporary Management & Capacity Building

- **Integration** - This conference is looking forward to integrate academia and scientific bodies on a common podia to share and explore on science, space science, technology and management learnings.
- **Information** – This conference aims to imbibe knowledge sharing across multifaceted space science domains globally.
- **Innovation** – This conference highlights on innovative practices and assimilation of recent trends in science popularization.
- **Investment** – This conference attempts to bring and explore ideation of investments and collaborations. Being a critical facet for any congregation this would be an important area to cover with vibrant valuable participants.

**Aim:** This international hybrid conference is a podia to explore, exercise and implement space science ideations globally. Is to Conceptualize, Implement, Inculcate and Integrate practice-based experiences along with research centric approaches of both academia and industry practitioners at KCSA.

## ICSSTM - I - 19<sup>th</sup> and 20<sup>th</sup> Jan 2026

### ICSSTM - I - Jan 2026 : Conference Date – 19<sup>th</sup> and 20<sup>th</sup> January 2026

The 1st International Hybrid Conference on Space Science, Technology, and Management brings together experts, researchers, academia, industry practitioners, researchers, spacepreneurs, research scholars, space tutors and scientist industry leaders from around the world to discuss the latest advancements in space exploration and innovation. The hybrid format allows participants to join both in-person and virtually, promoting broader global collaboration. It provides a platform for knowledge sharing, networking, and showcasing cutting-edge research and technologies. By fostering dialogue between academia, industry, and government, the event aims to accelerate sustainable growth and innovation in the global space sector. Space Science Education & Capacity Building at the Kalpana Chawla Space Academy focuses on nurturing young minds and professionals with the skills needed to contribute to India's expanding space ecosystem. The academy provides practical learning through workshops, satellite-building programs, robotics, and mission simulations. These initiatives help develop a strong scientific workforce capable of supporting national and global space missions. By partnering with research institutions and international agencies, the academy promotes knowledge exchange and collaborative growth. Ultimately, it empowers future space leaders to carry forward Kalpana Chawla's legacy of curiosity, courage, and innovation.



#### Purpose :

- To learn novel approaches and interpret research driven aspect of diversified science, space science, technology and domains.
- To explore facts and figures pertaining to contemporary research practices and strategies sustainability measurements for future.
- Enabling learners and practitioners to hone their research competencies.
- In order to strengthen the Research culture among academicians, research scholars and industry practitioners.
- A capacity building program to disseminate research driven original information via research papers with joint efforts of co-organisers.

#### Objective :

- To nurture & develop practice-based learning ecosystem at KCSA.
- To develop capacity for conceptualizing contemporary space science scenarios in this VUCA world with joint collaboration from international bodies.
- To design scripts imbibing challenges and strategic solutions on varied scientific domains.

## KALPANA CHAWLA SPACE ACADEMY (KCSA)

The Vidya Niketan Education Trust in association with the Narayan Bhargava Group under its CSR initiative, has established the KCSA. The alliance aims to develop world-class scientists through space education to create a long-term career path for students through strategic partnerships. KCSA aims to develop top-notch space scientists as part of its nation building mission, ignite children's interest in space exploration and cultivate the scientific temper required to serve the Indian space industry. The pedagogy chosen places little emphasis on classroom instruction in space education and more emphasis on activity-based experiential learning that is centred around experiential learning focused on practical training, fieldwork, and projects for the application of concepts learnt while refining their skills through internships, seminars, quizzes, role plays, and more. We would cover a variety of topics in space science including fundamental scientific and mathematical concepts, astronomy, rocketry, robotics, STEAM, environmental science, and biodiversity in addition to the Sanskrit language. The carefully curated curriculum at KCSA is focused primarily on learning outcomes. It embodies the core belief of 'learning by doing.'

Research and publication in KCSA focuses on space sciences typically involves studying various aspects of space exploration, astronomy, astrophysics, planetary science, and related fields. Researchers in a space school conduct studies on topics such as celestial bodies, space missions, space technology advancements, and the search for extraterrestrial life.

Research in KCSA often involves collaboration with space agencies, observatories, and international research institutions to access data and conduct experiments. Advanced technologies like telescopes, satellites, and computer simulations are used in research to explore galaxies, study cosmic phenomena, and understand the universe's origins. Research and publication activities in KCSA play a vital role in advancing our understanding of the cosmos, pushing the boundaries of space exploration, and training the next generation of scientists and engineers in the field of space sciences. At KCSA, we have a pool of dedicated faculty members and experts from the industry who create a friendly environment for learning. It is our conviction that "Brilliance is not a skill, it is an approach" and thereby while imparting this attitude, we blend theory and practice in an optimal mix for overall enrichment of the students. KCSA also thrives hard to promote research and keeps a research centric approach.

## INDIAN SPACE RESEARCH AGENCY (CBPO ISRO)

Indian Space Research Organisation (ISRO) is the space agency of India. The organisation is involved in science, engineering and technology to harvest the benefits of outer space for India and the mankind. ISRO is a major constituent of the Department of Space (DOS), Government of India. The department executes the Indian Space Programme primarily through various Centres or units within ISRO. ISRO was previously the Indian National Committee for Space Research (INCOSPAR), set up by the Government of India in 1962, as envisioned by Dr. Vikram A Sarabhai. ISRO was formed on August 15, 1969 and superseded INCOSPAR with an expanded role to harness space technology. DOS was set up and ISRO was brought under DOS in 1972.

## NEHRU SCIENCE CENTRE (NSC), MUMBAI

Nehru Science Centre is among the four National level Science Museums in NCSM, working as the Western Zone Headquarters with four science centres in Nagpur, Bhopal, Dharampur and Goa under its umbrella caters to the people in the Western part of India. As a part of its activities, the Centre organizes regular extensive science education programmes, activities and competitions for the benefit of the common people and students in particular.

## MALAYSIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (MUST)

In 1995, the Prime Minister, Tun Dr. Mahathir Mohammad and a delegation from Malaysia made a working visit to Massachusetts Institute of Technology (MIT) and endorsed the establishment of a university modelled after MIT. An agreement was signed in January 1997 to establish the Malaysia University of Science and Technology (MUST). In its formative years, MUST was fully assisted and supported by MIT, a world-renowned university noted for its education and research in advanced science and technology.



## ➤ Publication :

We are looking forward for a publication in Conference proceeding and for interested researchers in reputed Scopus / ABDC journal and it's in process of orchestrating.

## ➤ Partnerships / Collaborations :

We are looking forward for funding sources from corporates and sponsors to have the event on self-sustain mode.

## ➤ Who should attend?

- Academics, scientists, research scholars, researchers, students, policy makers, research fellows and industry practitioners, spacepreneurs, start-ups, and person's in-charge of corporate social responsibility.
- Government representatives working on regional and economic development, public policy areas, and industrial relations.

## ➤ Paper Submission Guidelines:

All submissions must be typed double-spaced with 2.5 cm or one-inch margins using 12-point Times New Roman font in a single MS Word file. All submissions must include a Title, Authors (names, affiliations, e-mails of all authors and a notation (\*) of the corresponding author), an Abstract (no more than 250 words) and 3-5 Keywords. Final paper should not exceed 10-15 pages, including the Abstract, body of the text (Introduction, Theory, Methods, Findings, Discussion, Conclusions and Implications), Tables, Figures and References. All paper submissions must include a discussion, which addresses the contribution of the author's work to the advancement of business and business-related science and practice in the Conclusions and Implications section. All submissions must be entirely original, not previously published, and must not be under concurrent consideration or scheduled for presentation elsewhere.

## ➤ Topics / areas can be related to theme / tracks provided but are not restricted:

Manuscripts that seek to focus on themes and sub-themes given below are most welcome. Please note that these are only representative. Contributions on related studies within the realms of Science, Space science, Technology and Management are greatly solicited.



## SUB-THEMES & TRACKS

### Track 1: Astrophysics & Astronomy

- Cosmology and Early Universe
- Stars and Stellar Evolution
- Galaxies and Large Scale Structures
- Solar and Space Physics
- Planetary Science and Exoplanets
- Astrobiology and Astrochemistry
- Solar System Dynamics
- Observational Astronomy
- Black Hole
- Gravitational Wave Astronomy
- Astrophysical Turbulence
- Polarization in Astrophysics
- Neutron Stars, Magnetars, Quark/Hybrid Stars
- White Dwarf

### Track 2: STEAM – Science Technology Engineering Architecture Mathematics

- Educational Technologies and Tools
- Equity, Inclusion and Diversity in STEAM
- Robotics and AI
- Augmented and Virtual Reality
- Aeromodelling
- Telecommunication and Telemetry
- Geomatics and GIS
- Rocketry
- Cyber Security and Literacy
- Aerospace Engineering
- Computational Mathematics
- Integrated Reality

## SUB-THEMES & TRACKS

### Track 3: Earth Sciences and Geology

- **Geophysics**
- **Geochemistry**
- **Environmental Geology and Sustainability**
- **Atmospheric Science**
- **Hydrology, Hydrogeology and Water Resources**
- **Mineralogy**
- **Petrology**
- **Soil Science and Erosion**
- **Pollution Treatment and Environmental Engineering**
- **Disaster Mitigation and Management**
- **Oceanography and Marine Geosciences**
- **Geomorphology and Landforms**

### Track 4: Space Science Education, Policy and Law

- **Space Traffic Management**
- **Space Debris Mitigation and Remedies**
- **Space Resource Utilization**
- **Commercialization of Space**
- **Space Tourism**
- **Planetary Protection**
- **Outer Space**
- **Human Rights in Space**
- **Militarisation and Space Security**
- **Space Law**



## SUB-THEMES & TRACKS

### Track 5 : Sustainability Development

- Greenhouse Gas Emissions
- Renewable Energy Transition
- Climate Adaptation & Mitigation Strategies
- Food Security & Sustainable Diets
- Wastewater Treatment
- Circular Economy
- Conservation of Forests & Wildlife
- Eco-friendly Transportation
- Education and Gender Equality
- Sustainable Businesses & ESG
- Green Economy
- Thermal Management

### Track 6: Business Management and Entrepreneurship

- Managing Workplace Diversity
- Strategic Management
- Human Resource Management (HRM)
- Operations & Supply Chain Management
- Marketing Management
- Customer Relationship Management (CRM)
- Financial Management
- Space Mission Operation and Management
- Business Ethics & Corporate Social Responsibility (CSR)
- Entrepreneurship for Social Impact
- Women & Youth Entrepreneurship
- Technology & Digital Entrepreneurship



## Important Deadlines

<b>Last date of submission of full paper</b>	<b>20<sup>th</sup> December 2025</b>
<b>Acceptance of Notification</b>	<b>20<sup>th</sup> December 2025</b>
<b>Last date of Submission of Revision Paper/Camera Ready Paper</b>	<b>25<sup>th</sup> December 2025</b>
<b>Date of Registration and payment</b>	<b>25<sup>th</sup> December 2025</b>
<b>Conference date</b>	<b>19<sup>th</sup> and 20<sup>th</sup> January 2026</b>
<b>Submission Mail id</b>	<b><a href="mailto:contact@kcsa.org.in">contact@kcsa.org.in</a></b>



## Registration Fees

<b>Delegates</b>	<b>Indian</b>	<b>Outside India</b>
Academic	INR 1500	INR 3000
Industry	INR 3000	INR 4000
Research Scholars	INR 1000	INR 2000
Students	INR 500	INR 1000
Only Participation	INR 500	INR 1000

**Note -**

The registration fees include edited conference proceeding [softcopy] with ISBN, admission to all keynote speakers, session tracks and certificate of conference along with kit.

**Registration process shall be completed by individual authors along with payment per paper.**

## Conference Organizing Committee:

**Chief Patron: Adv. Madhav Bhone,  
President VNET (KCSA) Lonavla, Maharashtra.**

**Patron: Mr. Narayan Bhargava,  
Vice President VNET (KCSA) Lonavla, Maharashtra.**

**Chairperson: Mrs. Radhika Bhone,  
Secretary VNET (KCSA) Lonavla, Maharashtra.**

**Convener: Dr. Pushpendu Rakshit,  
Program Director KCSA Lonavla, Maharashtra.**

**Co-Convener: Dr. Shailendra Singh,  
Faculty of Astrophysics KCSA Lonavla, Maharashtra.**

**Co-Convener : Prof. Iqbal Dalhait,  
Coordinator Outreach Program, KCSA Lonavla, Maharashtra.**

## Coordinators:

### Logistics and Hospitality –

**Mr. Zaffar, Mr. Pramod, Mr. Nilraj, Ms. Akanksha,  
Prof. Iqbal, Dr. Shailendra, Mr. Rahul, Dr. Shraddha, Mrs. Anandita.**

### Photography and Videography –

**Mr. Aditya and Mr. Chinmay**

### Art and creativity –

**Digital Voyagers (Mr. Aditya, Ms. Janani and Mr. Nilraj)**

## International Advisory Committee :

1. **Dr. Sinouvassane Djearamane, University Tunku Abdul Rahman, Malaysia.**
2. **Dr. Mohammad Rokibul Kabir, Daffodils Int. University, Bangladesh.**
3. **Dr. Sangeetha Arullappan, Universiti Tunku Abdul Rahman, Malaysia.**
4. **Dr. Shaheen Mansori, Malaysia University of Science & Technology, Malaysia.**
5. **Dr. Song Kuok Thong, Nilai University, Putra Nilai, Malaysia.**
6. **Mr. Umesh Rastogi, Director, Nehru Science Centre, Maharashtra, India.**
7. **Mr. Alaxandre Zedrozhyni, AI and IIOT expert, Zyfra Technologies, Finland.**
8. **Dr. Amira El Deeb, University of Egypt, Egypt.**
9. **Dr. Vinit Joshi, NMIMS, India.**
10. **Dr. Mukund Madhav Tripathi, NMIMS, India.**
11. **Dr. Kushala R., Earth Science & environment expert, BOS member, KCSA, India.**
12. **Dr. C. P. Rajendran, Geologist and Earth Science expert, BOS member, KCSA, India.**
13. **Mr. Shubham Yadav, Hydrology, GIS, Geoinformatics, BOS member, KCSA, India.**
14. **Dr. Prosenjit Ghosh, Isotope Geochemistry & Paleoclimatology, BOS member, KCSA, India.**
15. **Dr. P. J. Blount, Space Law specialist, BOS member, KCSA, European Space Agency.**
16. **Dr. Poojan Agrawal, Astrophysicist, Institute of Astronomy- KU Belgium.**



## Registration Payment Process



The registration fees can be paid through online bank transaction following adoption of digitization. All authors are requested to complete the payment process by following guidelines and deadlines. Provide accurate details while completing the payment process and provide paper ID.

### Account Details

#### Account name-

Vidya Niketan Education Trust –  
Kalpana Chawla Space Academy

Account type – Saving

Account Number – 924010028068565

IFSC Code – UTIB0002773

Bank name – Axis Bank Ltd.

Bank address – Lonavala



We warmly invite all esteemed guests, scientists, and delegates to join us for the International Space Science Conference. This gathering offers a unique opportunity to exchange ideas, share discoveries, and explore new horizons in space research. Your participation will add immense value and inspiration to the event. We look forward to welcoming you and embarking together on an exciting scientific journey.

