

# NEWSLETTER

## INDIAN SPACE ASSOCIATION



## EXPLORING THE FINAL FRONTIER:

**ISpA Newsletter Unveils Future of Sustainable Space Exploration**



Bhumandal Se Brahmaand Tak

Welcome to **ISpA Newsletter**, a trusted conduit for illuminating the latest strategic endeavours, technological innovations, and industry insights shaping the future of sustainable space exploration.

# HIGHLIGHTS OF THE MONTH

- ISRO's Aditya-L1 completes first halo orbit around Sun-Earth L1 point
- ISRO chief S Somanath says India's geoportal Bhuvan gives ten times information over Google Earth
- ISRO Offers Free Online Course on Space Exploration
- Strategic government initiatives can boost growth of Indian space sector
- First anniversary of Chandrayaan-3 mission: When India pioneered landing on lunar south pole
- IN-SPACe invites private sector to build sat systems
- Isro, Nasa partner to send Indian 'Gaganyaan' to ISS after August
- Clock is ticking fast as Sunita Williams remains stuck in space for 52 days; NASA yet to announce return date
- China launches new Gaofen-11 high resolution spy satellite
- Digital Twin in Space Research Cuts 100 Years of Work Down to 2 Years
- 20 satellites to 'fall from sky' as SpaceX Falcon 9 rocket malfunctions

# MEMBERS BULLETIN

## AGNIKUL

- Agnikul Cosmos, an Indian space tech startup, featured two women leading its recent project to launch the world's first rocket with a 3D-printed engine.
- The initiative highlights women's significant roles in India's space sector beyond ISRO.
- CNBC TV18's series 'Future Female Forward' explores the achievements of these trailblazing women.



## DHRUVA SPACE

- Dhruva Space partners with Kinéis for IoT connectivity in India, launching Kinéis' payload on its P-30 satellite in late 2025.
- Collaboration includes expanding IoT solutions and joint satellite missions.
- Dhruva Space gets IN-SPACe approval to offer Ground Station as a Service (GSaaS), expanding its global network and capabilities.



## DIGANTARA

- Digantara Research and Technologies, founded by Anirudh Sharma and Rahul Rawat, aims to be the "Google Maps for space."
- The company focuses on space situational awareness, providing infrastructure for commercial and strategic space needs.
- The venture began in 2018 and gained momentum in 2020 with support from IISc and other resources.



# MEMBERS BULLETIN



## EUTELSAT ONEWEB

- Eutelsat OneWeb is set to launch satellite broadband in India, pending commercial spectrum acquisition.
- Eutelsat secures a broadcast deal with TVN Warner Bros Discovery for expanded capacity in Poland and Olympics coverage.
- Eutelsat OneWeb and Reliance Jio seek provisional satellite spectrum in India for quick service launch.

## ELENA GEO SYSTEMS

- Elena Geo Systems has received the Pandit Deendayal Upadhyaya Telecom Excellence Award-2023 for innovations in NavIC technology.
- The award, presented by the Department of Telecommunications, recognizes Elena Geo's contributions to the GNSS sector.
- The company's NavIC-based devices and applications enhance national security and strategic autonomy, particularly in the Indian Defense sector.



## GALAXEYE

- GalaxEye Space, based in Bengaluru, has partnered with SkyFi to enhance access to high-resolution, multi-sensor Earth observation data.
- Their upcoming satellite will feature Synthetic Aperture Radar (X-band) and Optical/Multispectral Imaging capabilities, providing insights regardless of weather conditions.
- GalaxEye's maiden satellite is scheduled to launch in Q3 2024, offering 2m resolution imaging.

# MEMBERS BULLETIN

## INTELSAT

- Intelsat supports India's Space Economy Vision 2032, aiming for a 10% global space economy share.
- New Indian Space Policy opens vast opportunities for private sector involvement.
- Intelsat, active in India since 2006, has teams in New Delhi and Chennai.
- Plans to establish a 100% wholly-owned subsidiary in India, reinforcing commitment to localization.
- Engages with opportunities from India Space Congress 2024 to strengthen market presence.



## KALEIDEO

- KaleidEO plans to launch four edge computing-enabled satellites in 2026, shifting from the original 2025 timeline.
- The delay is due to the need for additional technology development and process refinement.
- The satellites will offer unique capabilities compared to current Earth Observation constellations.

## KERALA SPACEPARK (KSPACE)

- K-Space and VSSC have renewed their MoU to advance space technology development.
- VSSC scientists will join K-Space advisory panels to guide development and foster a space-tech ecosystem.
- The MoU was signed by VSSC Director S. Unnikrishnan Nair and K-Space executive council chairman Rathan U. Kelkar, with ISRO Chairman S. Somanath and Kerala Chief Minister Pinarayi Vijayan present.



# MEMBERS BULLETIN



## PIXXEL

- Pixxel aims to deliver satellites to the Indian Air Force by mid-2025, enhancing its border surveillance capabilities.
- The Bengaluru-based startup, founded by Awais Ahmed and Kshitij Khandelwal, has a contract to manufacture and supply the satellites.
- The IAF will operate the spacecraft once delivered.





# ISRO

## INDIAN SPACE RESEARCH ORGANISATION

### LAUNCHING OF BHARTIYA ANTARIKSH HACKATHON-2024

India has achieved the safe & precise soft landing of the "Vikram" Lander near the southern polar region of the moon and the successful deployment of Pragyaan Rover on the surface of the moon on August 23, 2023. To commemorate the feat, the Hon'ble Prime Minister has announced "National Space Day" to be celebrated on 23rd August every year. Several Pan-India outreach activities and public engagements are being planned as part of the maiden National Space Day celebration.

The Bharatiya Antariksh Hackathon being organized as part of National Space Day-2024 Celebrations was launched by the Secretary, DOS/ Chairman, ISRO. Dr. S Somanath on July 4, 2024. Twelve problem statements in the areas of Geospatial Domain, Space Science, Image Processing, and AI/ML areas are identified for the hackathon and declared open for undergraduate/ postgraduate/PhD students across the country. A team of 3 to 4 students can participate and address the challenges with innovative solutions. Initially, 100 teams will be selected based on their ideation and approach to problem-solving and later 30 teams will be shortlisted by an expert committee for 30 hours Grand Finale at NRSC, Hyderabad during August 13-14, 2024.

Chairman, ISRO emphasized that a hackathon programme is being organized to create more and more application-driven ecosystems and bring in innovation in space-based applications which will benefit both society and the nation. Chairman, ISRO mentioned that the innovative ideas generated from this hackathon could evolve into successful business models. Chairman, ISRO, Scientific Secretary, ISRO & Directors of the various ISRO Centres encouraged all the students to utilize this excellent opportunity to participate in the hackathon and gain valuable experience in developing geospatial applications using available satellite data.





# ISRO

## INDIAN SPACE RESEARCH ORGANISATION

### ISRO CONDUCTS FLIGHT EXPERIMENT OF AIR BREATHING PROPULSION SYSTEM

The Indian Space Research Organisation (ISRO) successfully carried out the second experimental flight for the demonstration of Air Breathing Propulsion Technology at 07:00 am today. The Propulsion systems were symmetrically mounted on either side of a RH-560 Sounding rocket and launched from Satish Dhawan Space Centre, Sriharikota. The flight test achieved satisfactory performance of the Sounding Rocket along with successful ignition of the Air Breathing propulsion systems. Nearly 110 parameters were monitored during the flight to assess its performance. The flight data from the mission will be useful for the next phase of development of Air Breathing Propulsion systems. Prior to the mission, multiple ground tests were carried out at the various ISRO Centres including Vikram Sarabhai Space Centre (VSSC), Liquid Propulsion Systems Centre (LPSC) & ISRO Propulsion Complex (IPRC) and also at the CSIR-National Aerospace Laboratories (CSIR-NAL), Bengaluru.

RH-560 is a two-stage, solid motor based sub-orbital rocket that is designed to be utilized as a cost-effective flying test bed for the demonstration of advanced technologies. It is the heaviest sounding rocket in the ISRO's family of sounding rockets and is launched from Sriharikota.







## ISRO TECHNOLOGIES AVAILABLE FOR TRANSFER

July 29, 2024: IN-SPACE facilitated the signing of Nine Technology Transfer Agreements for ISRO technologies with five NGEs at IN-SPACE headquarters, Ahmedabad on July 29, 2024. The technologies transferred included Boron Nitride Sintered Components, Boron Nitride & Silica Composite, DK-18 Ceramics, DK-65 Ceramics, and Compensated Alumina to M/s Bhukhanvala Industries Pvt Ltd; MEMS Acoustic Sensor to M/s Semi-Conductor Laboratory; Fire Proof Coating (Caspol) to M/s Asianol Pvt Ltd and M/s Crest Speciality Resin Pvt Ltd; and Rocasin to M/s Thejo Engineering.

[Click here to view the List of Technologies available for Transfer.](#)



## SHRI JYOTIRADITYA SCINDIA TAKES INITIATIVE OF CREATING CONSULTATIVE PLATFORM WITH TELECOM STAKEHOLDERS

In align with Prime Minister Shri Narendra Modi's vision of fostering inclusive and collaborative policy decision-making, Department of Telecommunications (DoT) under the leadership of Minister of Communications and Development of North Eastern Region Shri Jyotiraditya Scindia alongwith Dr Chandra Sekhar Pemmasani, Minister of State for Communications; held the first meeting of the two-day session of newly constituted Stakeholders Advisory Committees (SACs). The initiative will be critical in engaging industry leaders in expanding and shaping the future of India's telecommunication ecosystem.

[Click here to read the full article](#)



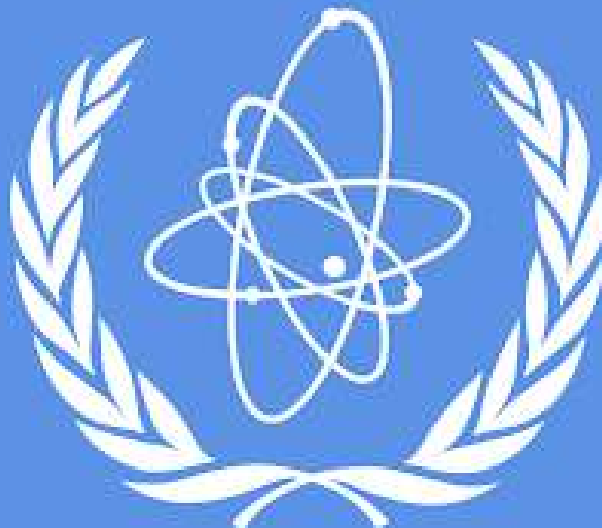
# NUCLEAR NON-PROLIFERATION

## VOTE ON A DRAFT RESOLUTION ON THE PREVENTION OF AN ARMS RACE IN OUTER SPACE

On Monday afternoon (20 May), the Security Council is scheduled to vote on a draft resolution on the prevention of an arms race in outer space (PAROS) and outer space security, which was prepared by Russia. The draft text is open for cosponsorship by the wider UN membership.

Background: On 24 April, the Security Council voted on a draft resolution on WMDs in outer space, which was prepared by Japan and the US and co-sponsored by 65 member states. The draft resolution affirmed the obligations of states parties under the 1967 Treaty on Principles Governing the Activities of States in the Exploration and Use of Outer Space, including the Moon and Other Celestial Bodies (Outer Space Treaty) not to place in orbit around the Earth any objects carrying nuclear weapons or any other kinds of WMDs, install such weapons on celestial bodies, or station such weapons in outer space in any other manner. It also called on states not to develop nuclear weapons or any other kind of WMDs specifically designed to be placed in orbit around the Earth.

**Read more...**



# ISpA ACTIVITIES

## SEOUL VISIT

**JULY 03,2024:**

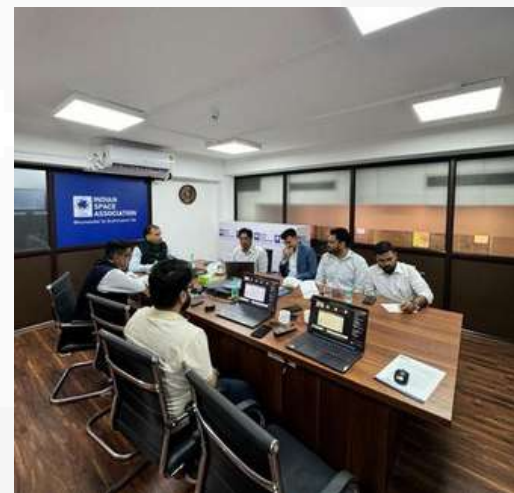
- DG ISpA visited Korea Aerospace and KARI to explore collaboration potential between India's and South Korea's space industries.
- He gained insights into South Korea's 'Danuri' and future earth observation satellites.
- The visit was facilitated by IOPS and Suhoratech.
- During his visit to Seoul, Daejeon, and Sacheon, DG ISpA, met with HE Kumar Amit, Indian Ambassador to South Korea.
- Discussions included potential collaboration with South Korea's space industry, which comprises approximately 200 companies.



## ISPA EXPERT TALK SPACETECH WEBINAR#02

**JULY 05,2024:**

- ISpA hosted Spacetechnology Expert Talk Webinar #02 featuring Akshat Johri and Rajat Kumar Singh from IIFCL Projects.
- The webinar emphasized the importance of Public-Private Partnerships (PPPs) in leveraging government and private sector strengths.
- Various models like BOT, DBFOT, and HAM were discussed as drivers for advancing space projects.
- Speakers highlighted the significance of selecting the appropriate model for project success.



[Watch more...](#)

## DG MODERATES SESSION AT USI-CUTS INTERNATIONAL JOINT EVENT

**JULY 11,2024:**

- DG ISpA, moderated a session titled "Above and Beyond: Bilateral Partnership in Space and the Indo-Pacific" at the Defence News Conclave hosted by USI of India, New Delhi.
- The session featured prominent panelists, including Admiral Karambir Singh, former CNS, and ACM RKS Bhadauria (Retd).
- Discussions centered on strengthening bilateral partnerships in space within the Indo-Pacific region.



# ISpA ACTIVITIES

## 3rd ANNUAL GENERAL MEETING ISpA JUNE 24, 2024:

- ISpA successfully completed its 3rd Annual General Meeting.
- Members of ISpA discussed this year's achievements and future plans.
- Appreciation was extended to all members who participated in the day of reflection and planning.



## DG AS A SPEAKER IN IPC GLOBAL EVENT JULY 30, 2024:

- DG ISpA, participated as a panelist at the 3rd edition of IPC Global IEMI event in Bengaluru.
- The panel discussion was themed "Make in India for World - Visions for the future of India's Defence & Aerospace Electronics Sector."
- The event highlighted future visions and strategies for India's defense and aerospace electronics sector.



# ISpA IN NEWS

**ISpace industry seeks boost from govt to target global markets**

11 July 2024  
Mint

**Budget 2024 Expectation: Tax holiday and GST exemption top Space sector's Budget wishlist**

15 July 2024  
financialexpress

**Jyotiraditya Scindia chairs first advisory meeting with satcom stakeholders**

15 July 2024  
ET Satcom

**ISpace industry seeks boost from govt to target global markets**

11 July 2024  
Mint

**Modi government begins discussions with telecom stakeholders for next round of reforms**

16 July 2024  
The Telegraph

**Union Budget: Space industry seeks tax holidays and PLI scheme**

16 June 2024  
Republic World

**Recommendations- Union Budget 2024-25**

July 18 2024  
Communications Today

**Budget 2024: Space sector calls for PLI, tax exemptions, startup fund**

19 July 2024  
Fortune India

**Private space companies want tax holidays and reasonable spectrum usage charge from Budget**

23 July 2024  
Moneycontrol

**Budget Expectations for Space Sector: Allocating spectrum for satellite applications is critical**

23 July 2024  
News9Live

**Budget 2024: Indian space industry has a tax demand from Nirmala Sitharaman**

22 July 2024  
India Today

**Budget demonstrates govt's strong support to space : ISpA**

23 July 2024  
UNI India

**SPECIAL PROGRAMME BUDGET 2024: Pt 5 | DD India**

23 July 2024  
DD India

**The Top Budget Expectations | Experts Decode | NewsX**

23 July 2024  
NewsX Live

**Union Budget 2024 Expectations | Expert Analysis & Key Focus Areas | News**

23 July 2024  
NewsX Live

**Budget 2024 In An Hour | The Sector-Wise Expectations | NewsX**

23 July 2024  
NewsX Live

**Space and Atomic Energy | Private mission**

27 July 2024  
India Today Magazine

**Public-Private Partnerships in India's Space Sector: Step Towards Global Competitiveness**

26 July 2024  
The Financial Express

# NATIONAL NEWS



# NATIONAL NEWS

## ISRA names India as partner country for Blue Origin space flight

1 July 2024  
Deccan Herald

## Will Be Proud If We Get Ability To Take PM To Space: ISRO Chief

1 July 2024  
NDTV

## Will Be Proud If We Get Ability To Take PM To Space: ISRO Chief

1 July 2024  
NDTV

## Measat Signs India Broadcast Deal

1 July 2024  
Via Satellite

## ISRO's Aditya-L1 completes first halo orbit around Sun-Earth L1 point

2 July 2024  
The Indian Express

## Thermal imaging Indo-French satellite to aid climate action

05 June 2024  
Deccan Herald

## 'Space Bays' to come up in four Tamil Nadu districts

2 July 2024  
The New Indian Express

## ISRO's Bhuvan is 10x Better Than Google Maps

2 July 2024  
Analytics India Magazine

## India's 1st space park project ready for takeoff at Technocity

4 July 2024  
The Times of India

## India keen to join global missions in defence against asteroids: ISRO chief

3 July 2024  
Deccan Herald

## India's Space Station Design Ready, Gaganyaan & Chandrayaan 4 on Track, ISRO Chief Tells News18

3 July 2024  
News18

## Space Day: Isro launches Bhartiya Antriksh Hackathon

3 July 2024  
The Times of India

## Isro chief: India keen on asteroid defence mission

5 July 2024  
The Times of India

## World to witness 1 Indian in space and other Indian in deep sea by 2025, says Union Minister Jitendra Singh

4 July 2024  
ThePrint

## ISRO chief S Somanath says India's geoportal Bhuvan gives ten times information over Google Earth

4 July 2024  
News9Live

## Gaganyaan: Astronauts to rely on parachute made by ordnance unit

8 July 2024  
The New Indian Express

## India preps for space milestone: ISRO shortlists two astronauts for Gaganyaan Mission

7 July 2024  
The Financial Express

## ISRO scientist gives students insights into Gaganyaan mission

6 June 2024  
The Hindu

## Satellite operator SES looks to set up India arm; costs for DTH players may fall

5 July 2024  
Mint

## Step into outer space! Isro exhibition at Khanna institute starts from July 22

9 July 2024  
The Times of India

## Bolstering ISRO's Future: Expected Budget for ISRO's Upcoming Missions

8 July 2024  
The Financial Express

## ISRO Offers Free Online Course on Space Exploration

8 July 2024  
DataQuest

## ISRO scientists uncover Ram Setu secrets with undersea map

9 July 2024  
WION

## Bengaluru firm building 'expandable space habitat', in talks with Musk's SpaceX

11 July 2024  
The Times of India

## Indian space station to mirror ISS orbit: Why it's a strategic masterstroke

10 July 2024  
India Today

## NASA ex-astronaut dubs India's space missions 'audacious'

12 July 2024  
The Indian Express

## Space regulator nod must from April 2025 for use of non-Indian satellites

11 July 2024  
The Economic Times

## DRDO sanctions seven new projects to private sector; aims to nurture industries in defence, aerospace sectors

11 July 2024  
ET Telecom

## Indian firm aims to launch 'space habitat' by 2027, in talks with SpaceX

11 July 2024  
Business Standard

## 'Our future together couldn't be brighter': Sunita Williams's special message from ISS on India-US space collaborations

11 July 2024  
The Indian Express

# NATIONAL NEWS

## Strategic government initiatives can boost growth of Indian space sector

15 July 2024  
News9Live

## First anniversary of Chandrayaan-3 mission: When India pioneered landing on lunar south pole

14 July 2024  
Firstpost

## IIT-I to be part of India's space stn, Gaganyaan projects: ISRO ex-chief

14 July 2024  
The Times of India

## Space cadets pioneers India's first orbital launch of Vikram-1 rocket

14 July 2024  
The New Indian Express

## Ex-NASA Astronaut Steve Lee Smith lauds ISRO achievement in space

13 July 2024  
The Economic Times

## ISRO has a problem: too many rockets, too few satellites to launch | Analysis

13 July 2024  
The Hindu

## Satellite to GPS to remote sensing, govt plans to rope in tech to curb illegal mining

13 July 2024  
The Indian Express

## Amazon's Project Kuiper in queue for satcom licence

12 July 2024  
The Economic Times

## Prestigious award for Indian scientist who was the brain behind Astrosat

15 July 2024  
Deccan Herald

## Isro to set up space science and tech park in Kanyakumari

17 July 2024  
The Times of India

## Scindia meets with telecom sector bosses, upholds consumer interests in sectoral growth

16 July 2024  
Mint

## Top satcom cos divided over spectrum allocation timelines

16 July 2024  
The Economic Times

## Scope of India-Mauritius space cooperation to foster new era to allow sharing of data about territory: PM Jugnauth

16 July 2024  
ThePrint

## BIT-P to celebrate National Space Day on July 29

18 July 2024  
The Times of India

## In for the long haul: Why AWS is betting on the Indian space economy

18 July 2024  
YourStory

## Hyderabad: Innovators develop alternative power generation tech that will help power up space missions at low cost

17 July 2024  
Deccan Herald

## India to help Mauritius launch a satellite; extends support on Chagos

17 July 2024  
WION

## Admin to send 26 underprivileged kids on exposure trip to ISRO

19 July 2024  
The Times of India

## What Sitharaman can do to fund India's ambitious space plans as it aims to eclipse global giants

18 July 2024  
The Economic Times

## Exclusive: ISRO to test air-breathing hypersonic tech on July 22

22 July 2024  
WION

## Chandrayaan-3 awarded World Space Award for historic milestone

21 July 2024  
The Times of India

## Cusat rover team gears up to launch space tech workshop

July 21 2024  
The Times of India

## US envoy hails ties with India in space, STEM

20 July 2024  
The Times of India

## ISRO chairman S Somanath receives PhD from IIT-Madras at the age of 60

19 July 2024  
Deccan Herald

## Can India's Space Budget 2024 Propel the Country to New Heights with Its Modest Funding and Bold Aspirations?

19 July 2024  
Weather.com

## 4k students attend Day 1 of ISRO exhibition at Ludhiana

23 July 2024  
Hindustan Times

## Isro gears up for maiden National Space Day celebrations on August 23

23 July 2024  
India Today

## Air breathing propulsion: ISRO completes second test flight

22 July 2024  
Deccan Herald

## Economic Survey flags lack of demand, indigenous tech, competitive market in India's space sector

22 July 2024  
Moneycontrol

## Nehru Planetarium set for revamp, India's space achievements to take centre stage

24 July 2024  
The Hindu



# NATIONAL NEWS

## Limited demand, pricing constraints hinder space tech commercialization

23 July 2024  
Communications Today

## Space entrepreneurship to be included in 100-Cube start-up initiative

22 July 2024  
The Times of India

## 12k kids get a taste of space, thanks to Isro

25 July 2024  
The Times of India

## 2 Indian astronauts to undergo training at NASA's Johnson Space Center

25 July 2024  
Hindustan Times

## Two day space exhibition begins at RVR&JC Engineering College in Andhra Pradesh

25 July 2024  
The New Indian Express

## ISRO immersion startup-challenge: AI for space & geospatial innovation

24 June 2024  
India Today

## India's space sector prowess exhibited at Australian Space Forum

24 July 2024  
WION

## Indian space startups ink pacts with Australian platform to demonstrate refuelling satellites

24 July 2024  
The Week

## IN-SPACe invites private sector to build sat systems

26 July 2024  
The Times of India

## NISAR missing from ISRO's plan, mission unlikely this year

26 July 2024  
The Indian Express

## Mohan Babu University students to launch High-Altitude Balloon Satellite on July 27

25 July 2024  
The Hindu

## Indian astronaut part of Gaganyaan mission to go to Space Station

25 July 2024  
India Today

## NSIL to provide satellite capacity to three states

28 July 2024  
Deccan Herald

## ISRO launches quiz, startup contest for National Space Day

27 July 2024  
The Indian Express

## MBU launches student-built ₹1.5 lakh satellite in Tirupati

27 July 2024  
The Hindu

## Isro, Nasa partner to send Indian 'Gaganyaatri' to ISS after August

27 July 2024  
Business Standard

## UGC directs institutions to celebrate National Space Day with events

27 July 2024  
India Today

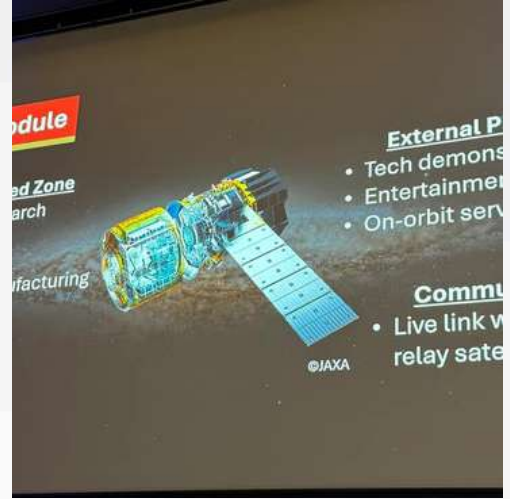
## Indian government approves satellite tracking facility in Hyderabad

27 July 2024  
WION

## Indian Space Progress

Indian Space Progress is the world's only newsletter dedicated to covering the civil Indian space landscape. Written by Jatan Mehta, a globally published space exploration writer, creator & author of Moon Monday, the newsletter contextualizes the progress of key elements driving India's increasingly relevant space capabilities in the global arena—from space technology, launch & exploration to astrophysics & planetary science to commercial & policy developments and more. You can subscribe to Indian Space Progress for free here: <https://jatan.space/subscribe>

# INTERNATIONAL NEWS



# INTERNATIONAL NEWS

## USA

**Sunita Williams led-Boeing Starliner mission faces delay in return, extend stay at space station**

1 July 2024

The Indian Express

**NASA: Will it cancel some of space programs due to spacesuit problems? Why did water leak during spacewalk outside ISS?**

1 July 2024

The Economic Times

**Updates On Boeing Starliner: NASA share news on Sunita William stuck in space**

4 July 2024

Moneycontrol

**Musk's SpaceX and NASA team up again for \$69m space telescope launch contract: Here's what the mission seeks to achieve**

4 July 2024

Hindustan Times

**Crew of Nasa's simulated Mars mission in Houston emerge from craft after 1 year**

7 July 2024

India Today

**Sunita Williams, Safe On Space Station, To Address Earth On July 10**

8 July 2024

NDTV

**Sunita Williams to address the Earth from space on July 10; details here**

9 July 2024

CNBC TV18

**Astronauts confident Boeing space capsule can safely return them to Earth, despite failures**

10 July 2024

The Indian Express

**20 newly launched Starlink satellites likely to crash, SpaceX races to save them**

12 July 2024

India Today

**Sunita Williams conducts emergency drill aboard Space Station after debris scare**

15 July 2024

India Today

**20 satellites to 'fall from sky' as SpaceX Falcon 9 rocket malfunctions**

16 July 2024

Business Standard

**US officials express concern over Russia-China space weaponisation efforts**

18 July 2024

Business Standard

**Plan to crash the Space Station ready. Nasa, SpaceX set the clock ticking**

18 July 2024

India Today

**NASA reveals Sunita Williams' new research as Boeing Starliner still stuck in space**

21 July 2024

Hindustan Times

**As NASA's Boeing Starliner remains stuck in space, Astronaut Sunita Williams busies herself in new research**

23 July 2024

The Times of India

**Sunita Williams's return from space: Nasa, Boeing to make important announcement**

24 June 2024

India Today

**Starlink Now Available in 1000+ Aircraft: Elon Musk**

25 July 2024

Telecom Talk

**Clock is ticking fast as Sunita Williams remains stuck in space for 52 days; NASA yet to announce return date**

28 July 2024

The Times of India

**Boeing's Starliner tests thrusters at ISS as NASA reviews options for astronauts' return to Earth**

29 July 2024

Space.com

# INTERNATIONAL NEWS

## CHINA

### China successfully launches new satellite group

5 July 2024  
United News of India

### Chinese astronauts set new record, complete 16 spacewalks aboard Tiangong

5 July 2024  
India Today

### 'No Need For Cell Towers': China Has Revolutionised Smartphone Communications

13 Apr 2024  
The Times of India

### China devises strategy to attack Starlink-like satellites with submarine laser weapon: Report

21 July 2024  
Moneycontrol

### China wants to create information superhighway between Earth and Moon to help space travellers

20 July 2024  
Deccan Herald

### China launches new Gaofen-11 high resolution spy satellite

19 July 2024  
Space News

## OTHER NATIONS

### Japan launches Earth observation satellite on its new flagship H3 rocket

1 July 2024  
Business Standard

### Europe's space funding gap threatens industry potential

1 July 2024  
Space News

### GSOA unveils White Paper on innovative satellite technologies

2 July 2024  
Satellite ProME

### SpaceX launches Turkey's first home-grown communications satellite

8 July 2024  
Space News

### Europe's New Heavy Lift Rocket Ariane-6: A Challenge To Elon Musk's SpaceX Dominance?

10 July 2024  
NewsX

### Turkey launches first home-grown communication satellite into orbit

9 July 2024  
ET Telecom

### Japanese venture seeks to develop commercial space station module

9 July 2024  
Space News

### Digital Twin in Space Research Cuts 100 Years of Work Down to 2 Years

17 July 2024  
Analytics India Magazine

### European Space Agency announces mission to study Apophis asteroid

21 July 2024  
The Indian Express

### Airbus looking at opportunities to create scale in space, satellites

21 July 2024  
Reuters

# INTERNATIONAL NEWS

## OTHER NATIONS

**South Korea's new space agency outlines plans**

20 July 2024

Space News

**France funds small satellite capture and inspection mission**

19 July 2024

Space News

**Russia to build independent space station by 2033, first module to launch in 2027**

23 July 2024

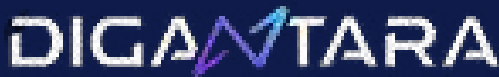
India Today

**Taiwanese rocket startup may be early test of Japan's space hub plans**

25 July 2024

The Indian Express

# JOB OPENINGS



# GOVERNMENT POLICIES/ CONSULTATIONS/ RECOMMENDATIONS/ ANNOUNCEMENTS

- **Consultation Paper on Review of Telecom Consumers Protection Regulations (TCPR), 2012**  
• <https://www.trai.gov.in/release-publication/consultation>
- **Consultation Paper on the Framework for Service Authorisations to be Granted Under the Telecommunications Act, 2023**  
• <https://www.trai.gov.in/release-publication/consultation>

# UPCOMING EVENTS

Dates	Events	Venue
20th August	<b>ISpA-AICTE National Space Day</b>	AICTE Auditorium
7-10th October	<b>GIFAS Delegation Visit</b>	Delhi-Hyderabad-Bangalore
14-18th October	International Astronautical Congress	Milan
15-19th October	IMC 2024	New Delhi
5-7th November	<b>ISpA 3rd Indian Space Conclave</b>	New Delhi

## CALL FOR NEW MEMBERSHIP

ISpA is an apex non-profit industry body, set up exclusively for the successful collaborative development of the Private Space Industry in India.

- Participate in policy advocacy
- Networking and publicity opportunities
- Plethora of opportunities to advance your Business in Space Sector
- Multisectoral Partnerships
- Engagement with industry and defence experts via diverse platforms
- Access to industry-related information via reports and newsletters
- Be a part of ISpA Committees to bring expertise & interests and to guarantee the holistic development of the space sector.

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