

NEWSLETTER

INDIAN SPACE ASSOCIATION



INDIA'S PRIVATE SPACE ERA TAKES FLIGHT



DISCLAIMER

The views and opinions expressed in this newsletter are those of the authors and do not necessarily reflect the official policy or position of the Indian Space Association. While every effort has been made to ensure the accuracy and reliability of the information provided, the Association does not assume any responsibility or liability for any errors or omissions. The content is intended for informational purposes only and should not be considered as professional or legal advice. The association does not accept any liability for errors therein. Reproduction or redistribution of the material in any form without prior permission of the author is prohibited.

CONTENTS

1. Message from DG-ISpA	3
2. Highlights of the month	4
3. Members Bulletin	6
4. ISpA Activities	19
5. ISRO News	27
6. IN-SPACe News	36
7. ISpA in News	42
8. National News	44
9. International News	50
10. Other News (By Jatan Space)	54
11. Space Laws, Rules and Agreements	55
12. Government Policies / Consultations / Recommendations / Announcements	56
13. ISpA Upcoming Events	57

MESSAGE FROM DG-ISpA

August 2026 was a month of both celebration and consolidation for India's space sector. On the policy front, IN-SPACE released an Expression of Interest inviting Indian private firms to take over operation and management of the Small-Satellite Launch Complex at Kulasekarapattinam, Tamil Nadu - a landmark step toward privately-run commercial launch infrastructure in India. This was accompanied by the Department of Space (DoS) which launched two incentive programmes that will provide financial support ranging from 30% to 100% for launch services, technology transfers, satellite data, and access to ISRO facilities.

India's private space sector continued to demonstrate remarkable depth through the month. Astrobase Space Technologies unveiled EVEREST, India's first privately-built 800 kN Full-Flow Staged Combustion rocket engine - a major milestone in indigenous high-thrust propulsion and one ISpA was privileged to witness firsthand. GalaxEye's acquisition of StarOps gave it full-stack satellite development capability, Inspecity raised ₹100 crore to scale its in-space servicing and refuelling architecture and Dhruva Space was listed in Forbes Asia's 100 to Watch 2026. Following Skyroot's big win, Indian space startups collectively raised \$871 million in fresh funding, reinforcing projections that India's space economy could reach \$40-45 billion over the next decade.

India's national space programme also delivered notable results. ISRO and NASA marked one year of the NISAR mission with new Earth observation findings, while Aditya-L1 offered fresh scientific insight into the pre-flare activity that precedes major solar eruptions - a step toward better space weather forecasting. NASA's invitation to ISRO to join its Moon Base programme further underscored deepening India-U.S. Space cooperation, even as the ISRO Robotics Challenge 2026 continued to advance autonomous space exploration technologies at home.

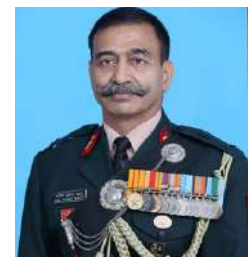
National Space Day, observed on 23 August, was a particular highlight - with Prime Minister Modi's address to the nation's Gen Z, ISRO's announcement of an ambitious plan for 8 vehicle and 12 satellite missions in the year ahead and the inspiring Mission ShakthiSAT Summit bringing together girls from 108 nations, which the Prime Minister himself spotlighted in Mann Ki Baat. ISpA marked the occasion by partnering with MY Bharat to organise a student visit to Skyroot Aerospace's headquarters, giving young minds a first-hand look at India's private space capability and by participating in India Space Week 2026 at Amity University

ISpA remained deeply engaged through the month - celebrating L&T's inauguration of its Satellite Assembly & Integration Facility at Coimbatore, representing India at the virtual ASEAN Space Forum hosted by the Philippine Space Agency, participating in Industry Day at IIT Bombay to strengthen academia-industry linkages and speaking on the "Spectrum for Next Generation SatCom" panel at the 10th India Satcom 2026.

As we move into the coming months, ISpA remains committed to advancing the policy dialogue, industry collaboration and skilling initiatives that will help India's space sector build on this momentum. The achievements captured in this edition reflect the collective effort of our members, partners and stakeholders and we look forward to carrying this energy into the year's remaining milestones - not least our own India International Space Conclave this November.

Lt Gen A K Bhatt

PVSM UYSM AVSM SM VSM (Retd)
Director General,
Indian Space Association (ISpA)
(Former DGMO, MS & GOC 15 Corps)



HIGHLIGHTS OF THE MONTH

- PM MODI INTERACTS WITH 20 SPACE STARTUPS, HIGHLIGHTS GLOBAL POTENTIAL OF INDIA'S SPACE SECTOR
- IN-SPACE INVITES PRIVATE SECTOR TO OPERATE KULASEKARAPATTINAM SMALL-SATELLITE LAUNCH COMPLEX
- NATIONAL SPACE DAY 2026: PM MODI HAILS GEN Z AS ISRO CHIEF ANNOUNCES PLAN FOR 8 VEHICLE, 12 SATELLITE MISSIONS
- MISSION SHAKTHISAT SUMMIT BRINGS TOGETHER GIRLS FROM 108 NATIONS, SPOTLIGHTED BY PM MODI IN MANN KI BAAT
- ISRO ROBOTICS CHALLENGE 2026 ADVANCES AUTONOMOUS SPACE EXPLORATION TECHNOLOGIES
- ISRO AND NASA MARK ONE YEAR OF NISAR MISSION WITH NEW EARTH OBSERVATION RESULTS
- NASA INVITES ISRO TO JOIN MOON BASE PROGRAMME UNDER EXPANDING INDIA-U.S. SPACE

HIGHLIGHTS OF THE MONTH

- GOVERNMENT OFFERS UP TO 100% INCENTIVES FOR INDIAN SPACE COMPANIES AFTER VIKRAM-1 SUCCESS
- INSPECITY RAISES ₹100 CRORE TO SCALE IN-SPACE SERVICING AND REFUELLING
- ASTROBASE SPACE TECHNOLOGIES UNVEILS EVEREST, INDIA'S FIRST PRIVATELY-BUILT 800 KN FFSC ROCKET ENGINE
- GALAXEYE ACQUIRES STAROPS, BUILDING FULL-STACK SATELLITE DEVELOPMENT CAPABILITY
- CHINA'S CHANG'E-7 LUNAR ICE-HUNTING MISSION LAUNCHES ON COUNTRY'S MOST AMBITIOUS LUNAR MISSION TO DATE
- SPACEX TO BUILD \$100 BILLION STARSHIP ROCKET COMPLEX IN LOUISIANA
- NASA INVITES ISRO TO JOIN MOON BASE PROGRAMME UNDER EXPANDING INDIA-U.S. SPACE

MEMBERS BULLETIN



ANANTH TECHNOLOGIES

Ananth Technologies Private Limited (ATL) has signed an MoU with Bharat Electronics Limited (BEL) in Bengaluru on August 19, 2026. The MoU was exchanged by Sh. Anurup Pavuluri, MD, ATL and Sh. Anoop Kumar Rai, Director (Marketing), BEL, in the presence of Sh. Manoj Jain, CMD, BEL, along with senior officials from both organisations.

The partnership will focus on the joint design, development and manufacturing of advanced electronic systems and subsystems for defence and aerospace applications, including missiles, radars, satellites and navigation systems - strengthening indigenous capabilities across system engineering, electronics manufacturing, integration, testing and production.



Astra Microwave Products Limited

ASTRA MICROWAVE PRODUCTS

Astra Microwave Products Limited has secured a ₹2,205.23 crore order from Hindustan Aeronautics Limited (HAL) for the supply of Uttam Active Electronically Scanned Array (AESA) Radar Systems - one of the company's largest defence orders to date, significantly strengthening its order book and reinforcing its position in India's indigenous defence electronics ecosystem.

The scope covers manufacturing and supply of advanced Uttam AESA Radar Systems and associated electronic subsystems for integration into next-generation fighter aircraft, designed to deliver superior target detection, tracking and surveillance capabilities. The project will involve precision manufacturing, system integration, testing and delivery in line with HAL's production schedule.

The order strengthens Astra Microwave's long-term revenue visibility and execution pipeline, reinforcing its strategic role in India's defence modernisation programme and its expertise in delivering advanced radar and electronic systems for the country's aerospace and defence sector.

MEMBERS BULLETIN



ASTROBASE SPACE TECHNOLOGIES

Astrobase Space Technologies unveiled EVEREST - India's first privately-built 800 kN Full-Flow Staged Combustion (FFSC) rocket engine, marking a significant milestone in the development of indigenous high-thrust propulsion capabilities. Lt Gen Anil Kumar Bhatt (Retd), Director General, ISpA, was a guest dignitary at the unveiling.

The development of an 800 kN FFSC engine represents a significant advancement in India's private-sector propulsion capabilities, reflecting the growing depth of indigenous expertise in advanced rocket-engine technologies.



ASTROME

Astrome has signed an MoU with Italy's Apogeo Space to collaborate on advanced satellite and terrestrial communication solutions for the European and Indian markets. By combining Apogeo Space's platform expertise with Astrome's advanced satellite and terrestrial communication systems, the partnership aims to bring next-generation space solutions to both markets.

The collaboration marks a step forward in strengthening international ties and advancing satellite connectivity and NewSpace capabilities.



AULE SPACE

Aule Space has successfully tested its relative guidance, navigation and control (GNC) stack at ISRO's Rendezvous Simulation Laboratory (RSL), achieving TRL 6 - becoming the first private company to test at the facility, previously used to validate the final docking approach for ISRO's SpaDeX mission.

Using only cameras for relative navigation, Aule tested the final 15m docking approach, with the system autonomously guiding the chaser to the final set point within required tolerances across a range of test runs - validating the stack for its upcoming in-orbit docking demonstration mission, conducted with support from IN-SPACE and URSC, ISRO.

MEMBERS BULLETIN



AZISTA

Azista has achieved a first-of-its-kind milestone for a private Indian space entity: a validated astrophotography image of the Carina Nebula, 7500 light years away, captured by its AFR First Runner satellite on IST: 31/07/2026, 06:07:30 IST, UTC: 31/07/2026, 00:37:30 UTC. Overcoming the challenge of faint nebular emissions and limited photon flux, the team reconfigured the payload for deep-space imaging, achieving a 100-second effective exposure that collected over 240,000 times more light than a typical Earth-observation image. Processing was performed in-house at Azista's SBU-APRIL (Advanced Pixel Research & Intelligence Lab) using its proprietary SCULPT (Scientific Construction of Satellite Data Products Toolkit) suite. The achievement demonstrates Azista's growing capability in absolute control over spacecraft operations & payload configurations, low-light spaceborne imaging, reflecting the maturing depth of India's private space ecosystem.



BHARAT ELECTRONICS

Bharat Electronics Limited (BEL) signed an MoU with Esri India Technologies on August 3, 2026, for cooperation in surge deployment for BEL/Defence services, combining BEL's defence electronics expertise with Esri India's GIS, Location Intelligence and GeoAI capabilities to develop next-generation geospatial solutions. Esri India will also extend training support to help BEL build in-house GIS and GeoAI capability on its 'Indo ArcGIS' platform. The MoU was exchanged between Shri Rajnish Sharma, BEL and Shri Agendra Kumar, Esri India.

Separately, BEL signed an MoU with RADIX CIPL to strengthen collaboration in tactical cellular solutions - promoting technology exchange and joint development of advanced, reliable systems to meet emerging requirements in the sector.

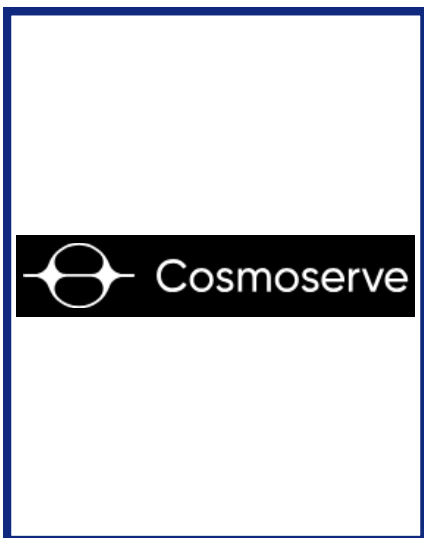
MEMBERS BULLETIN



BIG BANG BOOM SOLUTIONS

Big Bang Boom Solutions (BBBS) has signed an MoU and is now incubated at the AIC-FAST incubation centre at the Indira Gandhi Centre for Atomic Research (IGCAR), in an event graced by the company's Principal Advisor, Dr. Mylswamy Annadurai. The incubation aligns BBBS with one of India's premier atomic research centres, aimed at accelerating R&D in advanced energy solutions, specialised materials and next-generation space technologies.

Separately, BBBS has successfully developed and delivered AgniQuell, a High Expanding Fire Fighting Foam with an expansion capability of up to 1:1000, to the Indian Navy's Material Organisation (MO). Developed through an iDEX Challenge floated by the Indian Navy with the Defence Innovation Organisation (DIO), AgniQuell is BBBS's second product to be developed, qualified and delivered under the iDEX programme.



COSMOSERVE

Cosmoserve Space has won the KPMG Private Enterprise Global Tech Innovator Competition (GTIC) 2026 - India Finale. Selected from a highly competitive cohort of technology-led and technology-enabled startups, Cosmoserve stood out for its innovation, scalability, commercial potential and market impact. Now in its sixth year, GTIC continues to spotlight visionary founders and breakthrough innovations, offering startups visibility, industry validation and access to valuable networks. As India's winner, Cosmoserve Space will go on to represent the country at the Global Tech Innovator finals in Lisbon, Portugal, showcasing the strength of India's innovation ecosystem on the world stage.

MEMBERS BULLETIN



DHRUVA
SPACE

DHRUVA SPACE

Dhruva Space has been listed in the Forbes Asia 100 to Watch 2026 - a recognition of the company's opportunity and the momentum it is building towards, as part of Asia's powerhouse of innovation, technical talent and entrepreneurial ambition.

Across the value chain, Dhruva Space is building the infrastructure for the next generation of space, enabling satellite constellations and space-based services from India, for the world.



DIGANTATARA

DIGANTARA

Digantara has unveiled MOSAIC, an AI-powered, distributed optical sensor network designed to provide continuous, real-time tracking of objects in Low Earth Orbit (LEO). With an initial deployment of five coordinated nodes, MOSAIC combines electro-optical sensing, onboard processing, AI/ML-based detection and autonomous positioning to detect and track even faint Resident Space Objects (RSOs).

Built in India, the system represents an important step towards strengthening Sovereign Space Domain Awareness (SDA) capabilities and reducing reliance on foreign sources for time-critical orbital data.



GALAXEYE

GALAXEYE

GalaxEye has acquired StarOps, a Bengaluru-based spacecraft engineering company with origins in TeamIndus - Axiom Research Labs. The acquisition strengthens GalaxEye's in-house capabilities across three critical areas: qualified satellite bus platforms (50kg-250kg classes), flight-ready propulsion systems and guidance, navigation and avionics technologies.

Combined with its proprietary OptoSAR payload technology, GalaxEye now owns the full stack required to design, build and operate a satellite end to end - a deliberate step toward vertical integration, taking ownership of the technologies that determine mission reliability.

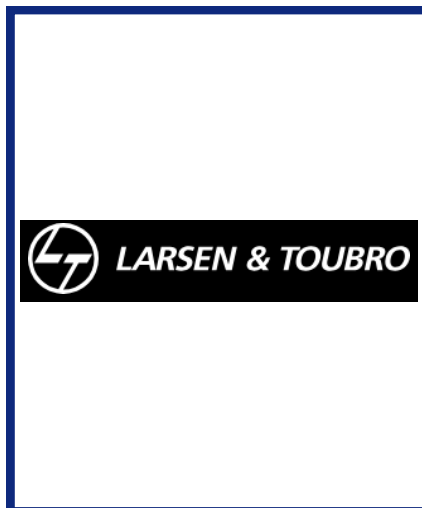
MEMBERS BULLETIN



INSPE CITY

InspeCity has raised ₹100 crore (~\$10.5 million) in a pre-Series A round led by Speciale Invest and Ashish Kacholia, with participation from Antler India, Manish Gandhi, Shastra VC and others - marking a significant milestone for India's growing in-space servicing ecosystem.

InspeCity's VEDA architecture integrates propulsion, sensing, robotics, docking and in-orbit refuelling technologies to enable satellite life extension and mobility. The new funding will support four upcoming in-orbit missions over the next 12-18 months to advance and validate these capabilities



LARSEN & TOUBRO

Larsen & Toubro (L&T) has inaugurated its Precision Engineering & Systems Satellite Assembly & Integration Facility at PMSC, Coimbatore. Lt Gen Anil Kumar Bhatt (Retd), Director General, ISpA, joined Mr. Arun Ramchandani, Senior Vice President & Head, L&T Precision Engineering & Systems and Chairman, ISpA, along with other distinguished dignitaries, for the inauguration of the state-of-the-art facility.

Designed for the assembly and integration of large satellites, alongside the simultaneous production of multiple small satellites, the facility marks a significant milestone in strengthening India's indigenous satellite manufacturing capabilities.

MEMBERS BULLETIN



NELCO (A TATA ENTERPRISE)

Nelco Limited, a Tata Group company, has completed a US\$20 million (~₹191 crore) strategic investment in US-based Lunar Holdco, Inc., which operates as Elveo Mobile. The transaction, structured as a subscription to Compulsorily Convertible Debentures carrying a 7% annual compounded return, was finalised on August 17, 2026, following Board and shareholder approvals secured in June.

The partnership gives Nelco strategic access to Elveo's next-generation S-band NGSO satellite network to bring Direct-to-Device (D2D) and Internet of Things (IoT) connectivity to India and South Asian markets, opening opportunities across sectors including automotive, maritime, energy, infrastructure and government - from vehicle telematics and fleet tracking to disaster response. Nelco's leadership has described D2D as the next major growth wave for the global SATCOM market.

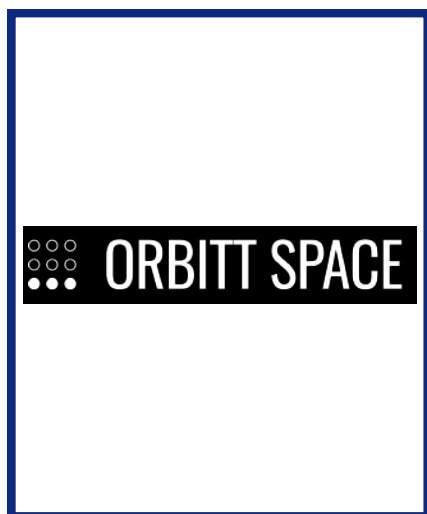


ORBITAID

OrbitAID Aerospace has completed five years since its founding on a simple premise: satellites shouldn't have to die in orbit once they run out of fuel. Since then, the company has built India's most advanced on-orbit servicing and refuelling capability, most recently launching ARCAS, the world's first autonomous LAR capture mechanism for GEO satellite life extension.

Building on this momentum, OrbitAID has announced India's first satellite life-extension and refuelling tech demo mission, planned for Q1 2027. Two satellites - AayulSAT-2A (Chaser) and AayulSAT-2B (Target) - will fly together in LEO to validate a complete end-to-end sequence of inspection, docking, refuelling and life extension in a single mission, marking OrbitAID's entry into the global on-orbit servicing market with missions planned in both LEO and GEO.

MEMBERS BULLETIN



ORBITT SPACE

Orbitt Space has signed an incubation agreement with AIC-IPR Plasmatech Innovation Foundation, the incubation arm of the Institute for Plasma Research, Gandhinagar - gaining access to decades of expertise in plasma, electric propulsion and fusion technologies to accelerate development of its Air-Breathing Electric Propulsion (ABEP) technology for Very-Low Earth Orbit (VLEO).

Separately, Orbitt Space's research has been selected for presentation at two leading aerospace conferences: three papers at the AIAA SciTech Forum 2027 in Orlando and one at IAC 2026 in Türkiye, spanning RF ion thrusters, plasma cathodes, plume characterisation and atmosphere-breathing electric propulsion.



PIERSIGHT

PierSight Space has signed an MoU with Christ University, Bangalore, an Indian institution known for its practical, industry-focused engineering programme and its in-house satellite research team, which plans to launch its first satellite soon.

Under the collaboration, PierSight will gain access to Christ University's advanced test and measurement facilities, working alongside its research teams on complex engineering challenges. In turn, students will get hands-on internship opportunities with PierSight, working on real-world space tech problems, with a clear pathway from internship to full-time roles - part of the company's broader effort to build the next generation of Indian space tech talent alongside advancing its own technology.

MEMBERS BULLETIN



SAMTEL AVIONICS

The Samtel-HAL Joint Venture facility at Samtel's Gurugram office was formally inaugurated on August 26, 2026, by Shri Ravi K, Chairman & Managing Director, Hindustan Aeronautics Limited (HAL), in the presence of Mr. Puneet Kaura, Director, Samtel HAL Display Systems Limited, along with senior leadership from HAL and the Samtel Group. The inauguration marks another milestone in India's journey toward indigenous defence manufacturing, building on the long-standing partnership between Samtel and HAL.

Samtel HAL Display Systems Limited (SHDS), established nearly two decades ago, holds the distinction of being India's first public-private partnership in defence avionics to indigenously design, qualify and serially produce a multifunction display for induction on a fighter aircraft. The newly inaugurated facility houses dedicated capabilities for testing and quality assurance of advanced display systems, supporting their design, development, manufacturing and product support for airborne and ground applications.



SATSURE

SatSure has been recognised as a NASSCOM Emerge 50 winner this year, in the SpaceTech, Defence & Strategic Technologies category, for its deep-tech innovations in Earth Observation and geospatial AI. SatSure CEO Prateep Basu accepted the award from Priyank M Kharge, Minister, Centre of Excellence in Cyber Security, Dept. of IT & BT, Government of Karnataka and Rajesh Nambiar, President of NASSCOM, at NASSCOM Forge 2026.

The recognition reflects SatSure's continued work in building the intelligence layer between Earth's data and the world's decisions.

MEMBERS BULLETIN



SKYROOT AEROSPACE

Skyroot Aerospace has signed a multi-mission launch agreement with HEX20 for its Earth-observation constellation and in-orbit payload demonstration missions, beginning Q4 2027 aboard the Vikram series of launch vehicles, carrying HEX20 and third-party spacecraft through rideshare opportunities - building on Vikram-1's orbital success as a foundation for missions ahead.

Separately, Skyroot has partnered with Redcliffe Labs on DRIFT-1, sending dry diagnostic reagents into Low Earth Orbit for 90 days against a ground control, to explore how diagnostics hold up in space - with potential applications for resource-limited healthcare on Earth and astronaut health research for missions like Gaganyaan and the Bharatiya Antariksh Station.



SPACEFIELDS

SpaceFields has signed an MoU with Munitions India Limited (MIL), in the presence of Shri B. R. Anil Kumar, Executive Director, MIL. MIL (erstwhile Ordnance Factories) is among India's largest defence PSUs and a global leader in military explosives.

Together, the two organisations will work to strengthen a resilient energetics supply chain spanning rocket boosters, refurbishment and pyrotechnic systems, with the patronage and encouragement of Shri Sanjay Hazari, CMD, MIL and Shri Rakesh Ojha, Director Operations.

MEMBERS BULLETIN



SPACE KIDZ INDIA

Space Kidz India, led by Founder & CEO Dr. Srimathy Kesan, launched Mission ShakthiSAT Phase 2 at Gautam Buddha University, Noida - a remarkable initiative bringing together young girls from across the globe to explore space, science, technology and innovation. The launch was graced by Shri Nand Gopal Gupta "Nandi", Hon'ble Minister for Industrial Development, Uttar Pradesh, as Guest of Honour.

With participation from girls across 108 countries, Mission ShakthiSAT reflects the power of education, collaboration and global cooperation, creating new pathways for young women to dream big and shape the future of space.



THRUSTWORKS DYNETICS

Thrustworks Dynetics has officially validated the hardware repeatability, structural durability and system integration of its Resonance Ignition System across three consecutive hot-fire tests using kerosene and oxygen propellants at an operating pressure of 5.08 bar.g - making India one of only three known entities worldwide to demonstrate this advanced architecture.

The system replaces conventional heavy spark plugs and single-use pyrotechnic igniters with an acoustically controlled mechanism, using combustion chamber geometry to generate controlled shockwaves that initiate ignition. With zero moving parts, driven solely by propellant pressure, the design saves critical mass while enabling infinite restart capability.

The entire campaign - from custom hardware and proprietary software architecture to execution on a portable, rapidly deployable test platform - was designed, validated and qualified in-house, with 100% end-to-end execution and zero safety incidents.

MEMBERS BULLETIN

The logo for ULOOK Technologies, featuring the word "ULOOK" in a bold, black, sans-serif font. The two 'O's are stylized with horizontal lines passing through them, resembling eyes or signal waves.

ULOOK TECHNOLOGIES

ULOOK Technologies has been awarded the Karnataka ELEVATE NxT Grant, a recognition from the Karnataka Government of the company's engineering roadmap in building sovereign deep-tech capabilities out of Bengaluru. The grant was extended by the IT-BT Department, Karnataka, alongside K-Tech and Startup Karnataka, as part of a cohort of 33 winners.

ULOOK designs and deploys satellites equipped for space-based Radio Frequency (RF) sensing, enabling advanced signal intelligence directly from orbit. The recognition reflects the company's commitment to advancing indigenous deep-tech innovation and strengthening India's capabilities in space-based RF sensing.

MEMBERS BULLETIN



MEMBERS BULLETIN



ISpA ACTIVITIES

L&T INAUGURATES SATELLITE ASSEMBLY & INTEGRATION FACILITY; ISpA JOINS IN CELEBRATING THE MILESTONE

ISpA - Indian Space Association congratulates its esteemed founding member, Larsen & Toubro (L&T), on the inauguration of its Precision Engineering & Systems Satellite Assembly & Integration Facility at PMSC, Coimbatore.

Lt Gen Anil Kumar Bhatt (Retd), Director General, ISpA, joined Mr. Arun Ramchandani, Senior Vice President & Head, L&T Precision Engineering & Systems and Chairman, ISpA, along with other distinguished dignitaries, for the inauguration of this state-of-the-art facility.

Designed for the assembly and integration of large satellites alongside simultaneous production of multiple small satellites, the facility marks a significant milestone in strengthening India's indigenous satellite manufacturing capabilities.

ISpA congratulates the entire L&T team on this landmark achievement and wishes them continued success.



ISpA ACTIVITIES

ASTROBASE SPACE TECHNOLOGIES UNVEILS EVEREST, INDIA'S FIRST PRIVATELY-BUILT 800 KN FFSC ROCKET ENGINE

ISpA - Indian Space Association congratulates its esteemed startup member, Astrobase Space Technologies, on the unveiling of EVEREST - India's first privately-built 800 kN Full-Flow Staged Combustion (FFSC) rocket engine, marking a significant milestone in the development of indigenous high-thrust propulsion capabilities.

Lt Gen Anil Kumar Bhatt (Retd), Director General, ISpA, was a guest dignitary at the unveiling of this landmark technology.

The development of an 800 kN FFSC engine represents a major advancement in India's private-sector propulsion capabilities and reflects the growing depth of indigenous expertise in advanced rocket-engine technologies.

ISpA extends its heartiest congratulations to the entire Astrobase Space Technologies team on this remarkable achievement and wishes them continued success.



ISpA ACTIVITIES

ISPA DG SPEAKS AT VIRTUAL ASEAN SPACE FORUM HOSTED BY PHILIPPINE SPACE AGENCY

Lt Gen Anil Kumar Bhatt (Retd), Director General, ISpA - Indian Space Association, spoke at the virtual ASEAN Space Forum, hosted online by the Philippine Space Agency (PhilSA) in celebration of the 4th Philippine Space Week.

Participating in the session on "ASEAN in the Global Order: Diplomacy, Partnerships and the Space Economy," DG ISpA shared the virtual stage with esteemed leaders from international space agencies and global space policy experts.

The discussion focused on ASEAN's strategic positioning within the evolving global space architecture, highlighting how rapid advancements associated with the Fifth Industrial Revolution and increasing geopolitical complexity are shaping international cooperation and space diplomacy.



ISpA ACTIVITIES

INDIA SPACE WEEK 2026 HELD AT AMITY UNIVERSITY, NOIDA IN COLLABORATION WITH ISpA

India Space Week 2026, centred on the theme "Future of India's Space Sector: Academia-Industry Collaboration, Innovation and Entrepreneurship," was conducted by Amity University, Noida, in collaboration with ISpA - Indian Space Association.

The session brought together Lt Gen Anil Kumar Bhatt (Retd), Air Vice Marshal Pawan Kumar (Retd) and Dr. Sudheer Kumar N for an engaging discussion on India's evolving space ecosystem and the opportunities emerging at the intersection of academia, industry and innovation.

Addressing the gathering, Lt Gen Bhatt, Director General, ISpA, congratulated Amity University on the initiative and highlighted the remarkable momentum of India's emerging space economy. Reflecting on his recent experience at the launch of Skyroot Aerospace's Vikram-1, he emphasised the growing role of young professionals in shaping India's new space revolution. Highlighting India's growing capabilities and the success of Chandrayaan-3, he underscored the need for India to aspire to a leading position at the "high table" of the global space economy.

This was followed by a panel discussion chaired by Dr. Sudheer Kumar N, featuring Ms. Nishtha Kapoor, Mr. Krishanu Acharya, Mr. Aakash Sinha and Prof. (Dr.) Shivani Verma, who brought diverse perspectives from satellite communications, space technology, robotics, academia and research.

ISpA appreciates its collaboration with Amity University, Noida and looks forward to creating further opportunities for students, industry and the wider space ecosystem.



ISpA ACTIVITIES

ISpA PARTICIPATES IN INDUSTRY DAY ON SPACE TECHNOLOGY AT IIT BOMBAY

ISpA - Indian Space Association was pleased to be part of the Industry Day on Space Technology at IIT Bombay, featuring a panel discussion on "Shaping India's Space Ecosystem: Industry, Academia & Government."

The panel brought together Lt Gen Anil Kumar Bhatt (Retd), ISpA; Mr. Ramesh Sankarannair, Godrej Aerospace; Prof. Arindrajit Chowdhury; and Ms. Nimisha Mittal, Pixxel, moderated by Prof. Varun Bhalerao, for an engaging discussion on strengthening collaboration across India's space ecosystem.

Representing ISpA, Lt Gen Bhatt shared the industry-association perspective on the systemic and policy aspects needed to scale academia-industry collaboration, highlighting the need for stronger pathways to translate academic expertise and innovation into industry applications.

The discussion also highlighted IIT Bombay's 30-year-long association with ISRO through multiple projects, reflecting the institution's significant contribution to India's space capabilities and research ecosystem. The growing impact of IIT Bombay is further reflected in startups such as Manastu Space, InspeCity and Bellatrix Aerospace, which originated or were incubated at the institute and are now contributing to India's rapidly evolving private space sector.

The Industry Day reinforced the importance of bringing academia, industry and government together to foster innovation, nurture talent and build the capabilities needed for India's next phase of growth in space.



ISpA ACTIVITIES

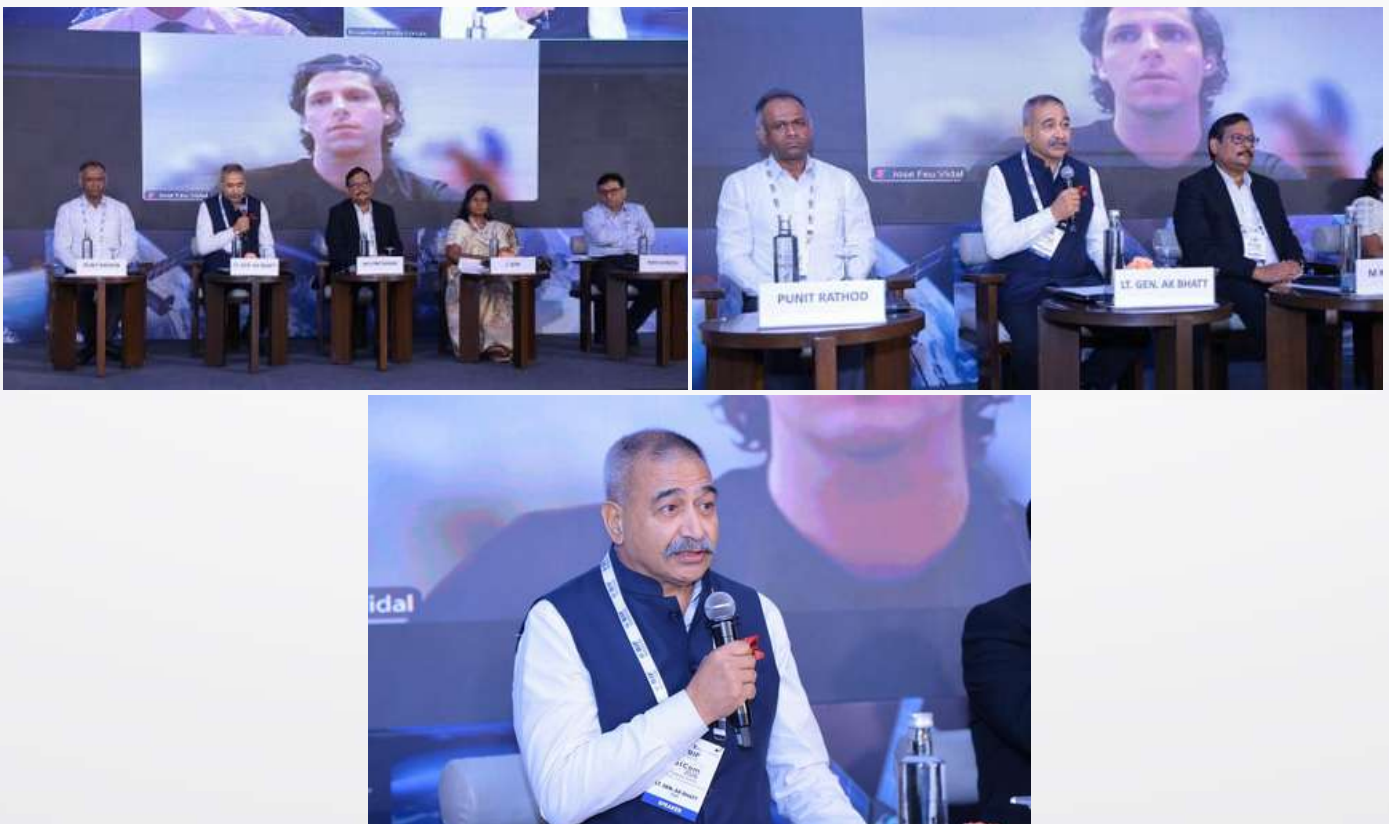
DG ISpA PARTICIPATES IN PANEL ON "SPECTRUM FOR NEXT GENERATION SATCOM" AT INDIA SATCOM 2026

ISpA - Indian Space Association was pleased to be part of the 10th India Satcom 2026, organised by the Broadband India Forum (BIF) on 18th August, featuring a panel discussion on "Spectrum for Next Generation Satcom."

The panel brought together Lt Gen Anil Kumar Bhatt (Retd), Mr. Ravi Gandhi, Mr. Punit Rathod, Mr. Gökhan Tok and Mr. Jose (Pepe) Feu Vidal for an engaging discussion on the evolving spectrum landscape and the future of satellite communications.

Representing ISpA, Lt Gen Bhatt, Director General, shared his perspectives on the importance of a future-ready spectrum framework to support the rapid evolution of satellite communications and emerging connectivity applications.

The discussion highlighted the need for efficient spectrum utilisation, innovation and forward-looking approaches to unlock the potential of next-generation SatCom and enable a more connected future.



ISpA ACTIVITIES

ISpA AND MY BHARAT ORGANISE STUDENT VISIT TO SKYROOT AEROSPACE ON NATIONAL SPACE DAY

ISpA - Indian Space Association, in partnership with Mera Yuva Bharat (MY Bharat), organised an immersive visit for university students to Skyroot Aerospace's headquarters on the occasion of National Space Day, giving students an opportunity to experience the world of rockets and space technology.

A cohort of 50 youths explored Skyroot Aerospace's facilities, getting a firsthand look at rocket manufacturing, propulsion technologies and advanced aerospace systems. They also interacted with Skyroot's engineers and space professionals, gaining insights into the ideas, challenges and possibilities behind building India's next-generation launch technologies.

For these young enthusiasts, it was more than a visit - it was a chance to see the technology they read about, meet the people building it and imagine where their own ideas could take them.

ISpA remains committed to fostering meaningful industry exposure and experiential learning opportunities that inspire young minds to explore, innovate and become part of India's growing space journey. Sometimes, the best way to inspire the next generation is to bring them closer to the stars.



ISpA ACTIVITIES





ISRO

INDIAN SPACE RESEARCH ORGANISATION

ISRO ROBOTICS CHALLENGE – URSC (IROC-U) 2026 | AUGUST 03, 2026

ISRO Robotics Challenge – URSC (IROC-U) 2026 Inspires Young Innovators to Shape India's Future in Space Exploration

The ISRO Robotics Challenge – URSC (IROC-U), organized annually since 2024 by the U R Rao Satellite Centre (URSC) to commemorate Chandrayaan-3's historic lunar landing, gives students a platform to build advanced technologies for India's future space programme.

The third edition, themed "ASCEND" (Autonomous Surveyor Challenge for Exploration, Navigation and Dynamics), challenged teams to design a fully autonomous UAV and base station capable of surveying, navigation, autonomous landing and charging in a GPS-denied environment - simulating future planetary exploration.

Final Field Round

Held at URSC, Bengaluru, from 21–23 July 2026, the finals brought together the top 20 teams selected from nearly 590 registrations nationwide. The event was inaugurated by Shri M. Sankaran, Director, URSC, along with Dr. V. Koteswara Rao, Chief Evaluator and Shri K. V. S. Bhaskar, Chairperson. Finalist teams showcased strong capabilities in robotics, AI, autonomous navigation, computer vision and embedded systems.

Chairman ISRO's Address

At the valedictory ceremony on 23 July, Dr. V. Narayanan, Secretary, Department of Space and Chairman, ISRO, released the IROC-U 2026 Souvenir and described participants as future architects of India's space programme. Recalling India's journey - from transporting rocket parts by bicycle to achievements like the Mars Orbiter Mission, Chandrayaan-3, SPADEX and NISAR - he urged students to innovate fearlessly and become creators of transformative technology.





ISRO

INDIAN SPACE RESEARCH ORGANISATION

BHARATIYA ANTARIKSH HACKATHON 2026 – GRAND FINALE CONCLUDES SUCCESSFULLY | **AUGUST 10, 2026**

The third edition of Bharatiya Antariksh Hackathon (BAH), a national level hackathon, was launched on 10 June 2026 and the Grand Finale was held from 6th-7th August 2026. This programme is a flagship initiative of ISRO, which aims to inspire and engage young minds across the country and foster creativity, innovation and problem-solving in the field of space technology.

BAH 2026 featured 15 carefully curated problem statements covering critical domains such as Geospatial Technology, Space Science, Image Processing and Artificial Intelligence/Machine Learning (AI/ML). More than 1,00,000 students pursuing undergraduate, postgraduate and Ph.D. programmes registered for the hackathon. A total of 15,104 teams, each comprising 3–4 members, submitted innovative solutions to the given problem statements. After evaluation of the ideas submitted, the top 34 teams were selected to compete in the Grand Finale, representing some of the brightest young talent from across the country.

The Grand Finale was held at the National Remote Sensing Centre (NRSC), Hyderabad and comprised an intensive 30-hour event. During the finale, the participating teams developed their solutions and presented to a Jury Panel chaired by Dr. Prakash Chouhan, Director, NRSC. The top three teams were selected based on the creativity, technical excellence and feasibility of their solutions.





ISRO

INDIAN SPACE RESEARCH ORGANISATION

INDIA – U.S. CIVIL SPACE JOINT WORKING GROUP MEETING AT ISRO HEADQUARTERS, BENGALURU | AUGUST 12, 2026

The 9th meeting of the India-U.S. Civil Space Joint Working Group (CSJWG) was hosted by India on 5-6 August 2026 at ISRO headquarters in Bengaluru. Dr. V. Narayanan, Chairman, ISRO/Secretary, Department of Space and H.E. Sergio Gor, U.S. Ambassador to India, addressed the opening segment, highlighting the significance of deepening bilateral space cooperation. The meeting was co-chaired on the Indian side by Mr. M. Sankaran, Director, U R Rao Satellite Centre, ISRO and on the U.S. side by Dr. Wesley Brooks, Assistant Secretary of State for Oceans and International Environmental and Scientific Affairs and Ms. Kathleen Karika, NASA Associate Administrator for International and Interagency Relations.

The meeting advanced civil and commercial space cooperation under the U.S.-India TRUST (Transforming the Relationship Utilizing Strategic Technology) Initiative, in line with the February 2025 Joint Leaders' Statement issued by Prime Minister Modi and President Trump. Both sides discussed expanding cooperation following the successful launch of the joint NASA-ISRO NISAR mission last year, along with future science and human spaceflight technology collaborations. They also reaffirmed commitment to advancing COPUOS guidelines on the long-term sustainability of outer space activities and reviewed multilateral efforts to strengthen the Committee's effectiveness.

In a significant development, NASA invited ISRO to join its Moon Base programme, building on the two countries' Artemis Accords partnership. Both sides also agreed to advance discussions on open scientific data sharing under the Accords.





ISRO

INDIAN SPACE
RESEARCH
ORGANISATION

ISRO TESTS AN IMPROVED VERSION OF THE FIRST STAGE OF SMALL SATELLITE LAUNCH VEHICLE (SSLV)

AUGUST 12, 2026

ISRO has successfully conducted the ground static test of an improved version of the solid booster stage (SS1) of Small Satellite Launch Vehicle (SSLV). The test was conducted on August 11, 2026 at the static test facility located at the Satish Dhawan Space Centre, Sriharikota. The design improvements include enhanced propellant burn rate in two motor segments, optimized thermal protection system and process improvements in the nozzle sub-system to make it more production friendly along with a reduction in the mass. The performance of the solid motor during the test was monitored through extensive instrumentation that measured more than 600 parameters to capture the ignition, ballistics, structural, thermal, dynamics and acoustic performances of the motor. The performance of the motor based on test data was close to the predicted performance. This static test qualifies the design improvements implemented in the first stage of SSLV (SS1). The payload capability of SSLV is estimated to be enhanced by about 100kg to Low Earth Orbit on the induction of this improved version of SS1.

The Small Satellite Launch Vehicle (SSLV) was developed by ISRO as a production friendly, quick turn-around, launch-on-demand launcher and has completed two successful development flights. The Transfer of Technology to Indian industry is already underway and is expected to be manufactured in large numbers to provide small satellite launch services to customers.





ISRO

INDIAN SPACE RESEARCH ORGANISATION

ATMOSPHERIC RE-ENTRY OF LVM3 M5 UPPER STAGE ON 30 JULY 2026 | AUGUST 12, 2026

The upper stage (C25) of India's Launch Vehicle Mark 3 (LVM3), launched on 2 November 2025 from Sriharikota, re-entered the atmosphere on 30 July 2026. Marking LVM3's 5th operational flight, the mission successfully injected the CMS-03 communication satellite into its intended Geostationary Transfer Orbit (GTO), with a perigee of 170 km and apogee of 29,970 km.

After spacecraft injection, the upper stage was passivated to limit risks of accidental break-up and left in a highly elliptical, 21-degree inclined GTO. It was routinely tracked by US Space Command (USSPACECOM) under NORAD ID 66310 and International Designator 2025-249A. ISRO's System for Safe and Sustainable Space Operations Management (IS4OM) closely monitored the stage's orbital decay and regularly predicted its re-entry during the final orbital phase, while the Multi Object Tracking Radar (MOTR) at Sriharikota tracked the object until a few orbits before re-entry. The most probable impact time was estimated around 12:08 UTC, 30 July 2026, over the Atlantic Ocean. Only components with very high melting points - such as gas bottles, nozzle and tanks - were expected to survive the intense aerothermal heating of re-entry.



For GTO missions, even minor shifts in lift-off time can drastically alter the upper stage's orbital lifetime, ranging from a few months to several decades. ISRO therefore factors post-mission orbital lifetime into lift-off timing selection for GTO missions. For LVM3-M5, liftoff at 17:26 IST (11:56 UTC) on 2 November 2025 had a pre-launch lifetime estimate of under a year for the C25 stage. The actual residual lifetime came in close to prediction, at within 9 months - fully compliant with the IADC's 25-year rule for LEO-region objects and well within India's Debris Free Space Mission (DFSM) recommendation of a 5-year limit for rocket stages transiting the crowded LEO region.

This outcome reflects careful mission planning and highlights ISRO's continued commitment to sustainable space operations, particularly significant given the growing population of objects in LEO orbits.

More on DFSM: isro.gov.in/Debris_Free_Space_Missions.html



ISRO

INDIAN SPACE RESEARCH ORGANISATION

ISRO AND NASA CELEBRATE ONE SUCCESSFUL YEAR OF NISAR MISSION ON ORBIT | AUGUST 17, 2026

On 4 August 2026, ISRO and NASA jointly organised "NISAR - One Year of Operations" at ISTRAC/ISRO, Bengaluru, marking the first anniversary of the NASA-ISRO Synthetic Aperture Radar (NISAR) mission, launched aboard GSLV-F16 on 30 July 2025.

Dr. V. Narayanan, Chairman, ISRO/Secretary, DoS, ISRO Centre Directors, senior NASA/JPL officials and operational and science teams from both agencies attended. Teams from ISTRAC, NRSC, SAC, URSC and NASA/JPL presented on mission performance, data dissemination, scientific results and the way forward. Dr. Narayanan urged the scientific community to fully exploit NISAR for common scientific goals benefiting humanity. Dr. Karen M. St. Germain (NASA HQ) highlighted the mission's unprecedented data volume; Mr. Keyur Patel (JPL) called it a partnership built for Earth Science; and Mr. Phil Barela (NASA/JPL) termed it a "Partnership Beyond a Spacecraft."

Science teams showcased a year of results - L-band SAR observations of ecosystem, cryosphere and solid earth dynamics from JPL and S-band SAR applications from ISRO spanning forest biomass, soil moisture, crop monitoring, ocean wind, mangroves and surface deformation.

A closing panel of senior ISRO and NASA/JPL representatives, moderated by Ms. Nandini Harinath, discussed data processing, payload development challenges and the path ahead for joint collaboration. NISAR continues to advance Earth system science across ecosystems, hydrology, oceanography, geoscience and disaster response.





ISRO

INDIAN SPACE
RESEARCH
ORGANISATION

3RD NATIONAL SPACE DAY 2026 CELEBRATED AT AHMEDABAD | AUGUST 24, 2026

The inaugural event of the 3rd National Space Day (NSPD) 2026 was held in Ahmedabad on 23 August 2026, themed "Towards Viksit Bharat: Innovating, Collaborating and Aspiring to Global Space Leadership."

Union Minister Shri Gajendra Singh Shekhawat attended as chief guest, with Gujarat Minister Shri Arjunbhai Devabhai Modhwadia as Guest of Honour. Dr. V. Narayanan, Secretary DoS/Chairman ISRO, presided, alongside Dr. Pawan Kumar Goenka (Chairman, IN-SPACe) and Dr. Ch. V. N. Rao (Director, SAC).

Shri Shekhawat highlighted the theme's three pillars - innovation, collaboration and global leadership - centred on India's youth, stressing that space reform means democratisation, not privatisation, of space opportunity. Shri Modhwadia invited start-ups and industry to set up manufacturing at Gujarat Space Park.

Dr. Narayanan recalled that National Space Day commemorates Chandrayaan-3's historic Vikram lander touchdown on 23 August 2023 and traced ISRO's journey from sounding rockets to enabling 6-ton class commercial launches. He congratulated Skyroot Aerospace on the successful first orbital flight of Vikram-1 and noted that 2020's space sector reforms have driven the growth of over 440 space start-ups nationwide.

Dr. Goenka emphasised ISRO's foundational role in India's space ecosystem, stating that private sector growth is only possible with ISRO's continued support and partnership. The event concluded with felicitation of the Skyroot Aerospace team and distribution of awards for National Space Day competitions and quizzes held across India.





ISRO

INDIAN SPACE RESEARCH ORGANISATION

UNUSUAL STRATOSPHERIC OZONE ENHANCEMENT OVER THE NORTH BAY OF BENGAL: INSIGHTS FROM THE INDIAN ST/MST RADAR NETWORK AND BALLOON-BORNE EXPERIMENTS | AUGUST 26, 2026

Scientists from SPL, NARL, SHAR, CUSAT, IITM, ARIES and Calcutta University conducted a joint campaign, NetRAD-ASMA, from 12–18 February 2024, operating ST/MST radars across Gadanki, Cochin, Haringhata and Nainital, complemented by radiosonde and ozonesonde launches from these and other sites including Trivandrum, Pune, Silkheda and Kolkata, with a focal point at Balasore.

Led by SPL/ISRO, the campaign observed a novel, unprecedentedly elevated ozone layer - about 50 nbar above the climatological mean - near the head of the Bay of Bengal, a region marked by deep convection. Spanning 2.1–2.4 km in thickness, the anomaly persisted for over 24 hours. Radar data suggest the layer was driven by air mass compression or mid-latitude air intrusion, evidenced by strong updrafts in the upper troposphere and downdrafts in the lower stratosphere at Haringhata, alongside high turbulence. The findings offer new insights into stratospheric ozone distribution, with significant implications for stratospheric chemistry, atmospheric circulation and the regional radiation budget.

This research work is published in the prestigious journal “Earth and Space Science” of the American Geophysical Union (<https://doi.org/10.1029/2025EA004791>).

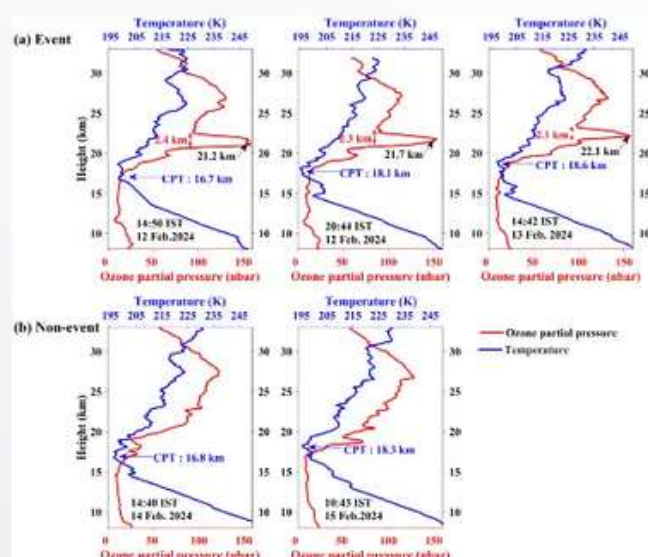


Figure 1. Height profiles of ozone partial pressure and temperature observed over Gadanki during (a) event day, i.e. 12 February 2024 and (b) non-event day, i.e. 14 February 2024, at Balasore.

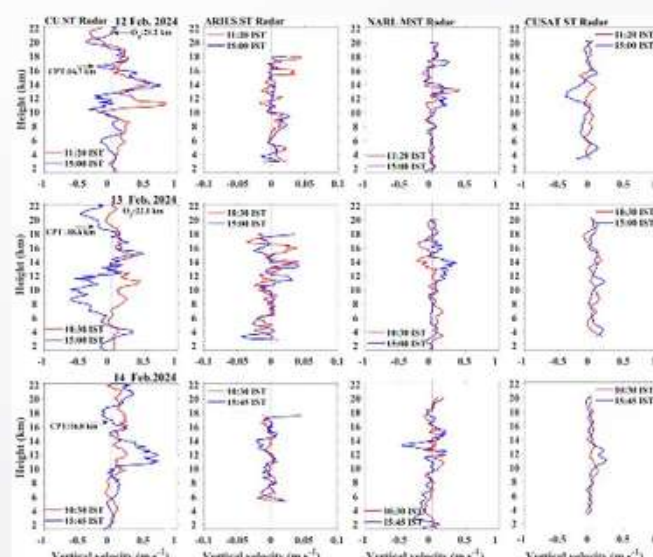


Figure 2. Height profiles of vertical air motion measured from different ST/MST radars during event days when the enhanced ozone is observed (12 & 13 February 2024) and during non-event days (14 February 2024) when normal ozone profiling is observed. Cold-point tropopause and O3 enhancement heights are marked on the event days.



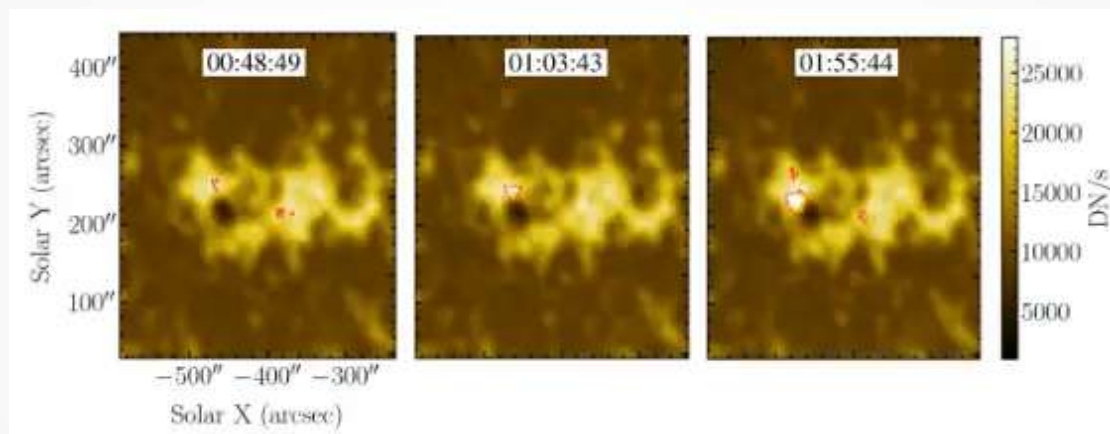
ISRO

INDIAN SPACE
RESEARCH
ORGANISATION

ADITYA-L1 CATCHES THE SUN'S EARLY WARNING SIGNS BEFORE SOLAR FLARES | AUGUST 28, 2026

Scientists using India's Aditya-L1 solar observatory have identified small, short-lived brightenings in the Sun's atmosphere that appear hours before major solar flares and cluster around the flare's eventual location. Published in Monthly Notices of the Royal Astronomical Society, the study draws on simultaneous UV and X-ray observations from three Aditya-L1 payloads.

Solar flares - sudden bursts of electromagnetic radiation from magnetic energy release - can disrupt communications, navigation and satellites and pose radiation risks to astronauts. Positioned at the Sun-Earth Lagrange Point 1, Aditya-L1 offers continuous multi-wavelength observation. Its Solar Ultraviolet Imaging Telescope (SUIT) captures near-UV views (inaccessible from ground level) of the Sun's lower atmosphere, while the SoLEXS and HELIOS X-ray instruments track coronal energy release - together revealing how lower-atmosphere activity links to flare build-up.



Analysing SUIT's Mg II h filter data, researchers found numerous small "transient events" in active regions before major flares, some with corresponding X-ray signatures indicating magnetic energy release. These pre-flare transients clustered at the site of the subsequent flare, suggesting that repeated small-scale energy release may progressively destabilise the magnetic field before a major eruption.

This is among the first systematic studies combining simultaneous UV and X-ray data from a single observatory to probe pre-flare activity, marking a step toward reliable flare forecasting and better space weather protection for satellites and technology.

Led by MCNS, MAHE, with ISRO/DOS scientists.

Reference: Adithya H.N., Sreejith Padinhatteeri, et al. (2026), MNRAS,
<https://doi.org/10.1093/mnras/stag1416>.



IN-SPACe

INDIAN NATIONAL SPACE
PROMOTION AND
AUTHORIZATION CENTRE

IN-SPACe INVITES PRIVATE SECTOR TO OPERATE KULASEKARAPATTINAM SMALL-SATELLITE LAUNCH COMPLEX

In line with the Indian Space Policy 2023 and ongoing space sector reforms, IN-SPACe has released an Expression of Interest (EOI) inviting eligible Indian private entities to take over operation and management of the Small-Satellite Launch Complex (SLC) at Kulasekarapattinam, Tamil Nadu. The facility is designed to support integration and launch of small launch vehicles such as SSLV, Vikram-1 and Agnibaan, providing dedicated commercial launch infrastructure to launch vehicle operators.

ISRO will facilitate the handover and provide technical guidance, training and handholding support to the selected party for a defined period - up to completion of three launch services or one year, whichever is earlier.

Eligibility is restricted to Indian-owned and controlled private entities with at least 7 years of operational experience, cumulative eligible-project revenues of ₹3,500 crore or more, average annual turnover exceeding ₹2,000 crore over the last 5 years and a minimum net worth of ₹1,000 crore.

Key dates:

- Pre-EOI Conference registration deadline: 24 August 2026
- SLC site visit, Kulasekarapattinam: 10 September 2026
- Pre-EOI Meeting, Ahmedabad: 15 September 2026
- EOI response submission deadline: 5 October 2026

As India scales up its annual launch cadence, dedicated commercial launch infrastructure will be key to meeting growing demand for space access.

IN-SPACE HEADQUARTERS, AHMEDABAD

Expression of Interest (EOI)

Operations and Management of Small-Satellite Launch Complex (SLC) at
Kulasekarapattinam, Tamil Nadu



IN-SPACE

INDIAN NATIONAL SPACE
PROMOTION AND
AUTHORIZATION CENTRE

IN-SPACE INVITES PROPOSALS FOR MODEL ROCKET LAUNCH CAPABILITY DEMONSTRATION

India's growing space ambitions call for a strong pipeline of young talent alongside advanced technologies. In line with this, IN-SPACE has released an Expression of Interest (EOI) inviting proposals from interested Indian Non-Government Entities (NGEs) to participate and demonstrate their Model Rocket launch capabilities, as part of broader efforts to expand ecosystem participation and build capacity, innovation and skills beyond traditional academic settings.

The scheme was conceptualized based on requests from enthusiastic NGEs across India seeking a platform to launch model rockets and validate associated technologies in a real environment.

Interested NGEs must submit a Comprehensive Design Document, as detailed in the EOI and will be responsible for the full lifecycle development, qualification and field operation of their Model Rockets. Submissions will be reviewed by an Evaluation Committee constituted by the Chairman, IN-SPACE, which will recommend NGEs for final demonstration; regulatory clearances will be handled by IN-SPACE along with the Local Organizing Entity at the designated launch site. Demonstration launches are planned ahead of the IN-SPACE Model Rocketry / CAN-7USAT Competition 2026 (October–November 2026).

A non-refundable registration fee of ₹10,000 per applicant is payable via Bharatkosh, with payment proof to be attached to the application.

Application deadline: 30 August 2026

For technical or administrative queries: director-pd@inspace.gov.in

**Expression Of Interest (EOI) from Indian Entities for Launching
and Demonstrating Model Rockets**



IN-SPACE

INDIAN NATIONAL SPACE
PROMOTION AND
AUTHORIZATION CENTRE

PRIME MINISTER MODI INTERACTS WITH 20 SPACE STARTUPS, HIGHLIGHTS GLOBAL POTENTIAL OF INDIA'S SPACE SECTOR

Prime Minister Narendra Modi, under whose leadership India's space sector was opened to private participation, interacted with 20 space startups from across the country, with IN-SPACE Chairman Dr. Pawan Goenka also present.

The conversation reflected the growing momentum in India's private space ecosystem, with startup CEOs sharing how global interest in adopting Indian space technologies is on the rise. The Prime Minister noted the potential for India's space sector to become a magnet for global talent, companies and investment and called for stronger collaboration between the space industry and other sectors of social development to expand the applications of space technology and improve people's lives.

From launch vehicles and satellites to advanced space technologies, the startups showcased capabilities spanning the value chain, reinforcing India's growing position in the global commercial space sector.

With strong leadership backing, a capable talent pool and maturing technologies, India's space sector continues to enter an exciting new phase of growth.





IN-SPACE

INDIAN NATIONAL SPACE
PROMOTION AND
AUTHORIZATION CENTRE

MISSION-SHAKTHISAT SUMMIT EMPOWERS YOUNG GIRLS TO LEAD GLOBAL SPACE EXPLORATION

Under the spirit of "Vasudhaiva Kutumbakam" - The World Is One Family - Mission-ShakthiSAT, the World Women Diplomacy and Leadership Summit 2026, is underway at Gautam Buddha University, Greater Noida, from 23–31 August 2026. An initiative by Space Kidz India, the summit brings together school girls from Grades 9–12 across 108 nations to drive breakthroughs in STEM, space diplomacy and satellite technology.

Representing IN-SPACE, Dr. Vinod Kumar, Director, Promotion Directorate, joined the inaugural event, reaffirming the organisation's commitment to enabling inclusive, youth-led innovation across India's space ecosystem.

Key highlights:

- Global outreach: Engaging over 12,000 girls (Grades 9–12) worldwide through immersive training in STEM, leadership and space science.
- All-girls lunar satellite mission: Offering students hands-on exposure to payload design, satellite engineering and lunar exploration.
- Strengthening STEM foundations: Anchored by the IN-SPACE-approved "CubeSat 101: Inception to Operations" curriculum developed by Space Kidz India, making satellite development accessible at the high school level.

The collaboration between Gautam Buddha University, Space Kidz India and IN-SPACE reflects the spirit of Vasudhaiva Kutumbakam - building a unified global platform for tomorrow's space leaders.





IN-SPACE

INDIAN NATIONAL SPACE
PROMOTION AND
AUTHORIZATION CENTRE

IN-SPACE INAUGURATES MODEL ROCKETRY SKILL DEVELOPMENT WORKSHOP AT GNEC IIT ROORKEE

From the fundamentals of rocketry to the thrill of flight - IN-SPACE has inaugurated a one-week skill development workshop on Essentials of Model Rocketry at GNEC IIT Roorkee, Greater Noida campus, bringing together students from colleges across the country for hands-on learning in model rocket design, development and launching. This marks the 26th skill development course conducted by IN-SPACE in association with the National Council for Vocational Education and Training (NCVET), MSDE, Government of India.

Participants preparing for the IN-SPACE Model Rocketry/CAN-7USAT India Student Competition 2026–27 will learn about the systems that come together to make a rocket mission possible - propulsion, structures, aerodynamics, avionics, separation and recovery systems and mission design and testing.

Through expert-led sessions, simulations and hands-on activities, students will design, assemble, test and fly their own model rockets, culminating in a student competition and flight followed by post-launch analysis to evaluate performance and identify areas for improvement.

Guided by experienced space professionals, the workshop gives students a closer understanding of the engineering, safety and reliability considerations underpinning rocketry.





IN-SPACE

INDIAN NATIONAL SPACE
PROMOTION AND
AUTHORIZATION CENTRE

PM MODI SPOTLIGHTS MISSION SHAKTISAT IN MANN KI BAAT; IN-SPACE SERVES AS KNOWLEDGE PARTNER

Prime Minister Narendra Modi spotlighted Mission ShaktiSAT in Mann Ki Baat, celebrating how India is uniting thousands of young women across 108 nations to master satellite technology and innovation. As the Prime Minister noted, the flight of India's daughters' dreams is soaring from the earth to outer space - a shining testament to India's soft space diplomacy, democratizing advanced aerospace education and nurturing future STEM leaders worldwide.

IN-SPACE is proud to serve as the Knowledge Partner for this transformative initiative, contributing through:

- Curriculum certification: Ensuring comprehensive, mission-grade technical standards spanning satellite subsystems, orbital mechanics, payload integration and telemetry.
- Hands-on "learning by doing": Moving beyond theoretical concepts to give students practical engineering workflows and satellite design capabilities.
- Fostering global space leadership: Equipping young women with the confidence and skills to lead future space endeavours for their home nations.

Completing the fundamental satellite technology workshop marks a major milestone for these young innovators, taking them from the classroom straight to the launch pad.



ISpA IN NEWS

**The new space frontier:
India's startups reach for orbit**

02 Aug 2026 | Deccan Herald

Spacetechnology needs engineers. India's space college still sends them to ISRO

7 Aug 2026 | The Ken

Stars Align for Space Economy

10 Aug 2026 | The Times of India

India's spacetechnology sector eyes next \$1 billion in 3-5 years

11 August 2026 | The Times of India

Indian Space Association proposes ₹500 crore third-party insurance cover for space launches

17 August 2026 | The Hindu BusinessLine

India Has Shown Remarkable Development in the Space Sector, aver experts at Amity

19 August 2026 | Business News This Week

India can build a \$44 billion space economy by 2033: ISpA DG Lt Gen AK Bhatt

23 Aug 2026 | ET Government

India's private space firms ramp up satellite output but bottlenecks remain

23 Aug 2026 | The Times of India

Isro's new trajectory: Pvt sector to take lead in building launch vehicles

24 August 2026 | Business Standard

India's Space Economy Takes Off As Private Sector Gains Momentum

22 August 2026 | BW Businessworld

They spy on India from space. Now an Indian startup is ready to expose them

23 August 2026 | India Today

India's private space sector enters new growth phase, shifts focus to scaling businesses: Industry leaders

23 Aug 2026 | The Tribune

India's next space growth phase will be driven by downstream applications, private players: Experts

23 August 2026 | IANS

PM Modi का National Space Day Message, 'नए काल चक्र' से Gen Z तक

23 Aug 2026 | Zee Business

Charcha Me | राष्ट्रीय अंतरिक्ष दिवस: चाँद के पार चलो | National Space Day | ISRO | PM Modi

23 Aug 2026 | DD News

EXCLUSIVE: The Indian Startup That Warned Andhra Pradesh of a Cyclone Two Weeks Early | POINT BREAK

28 Aug 2026 | AIM Network

ISPA IN NEWS



India is emerging as a full-stack space economy, with growing strengths across launch, satellite infrastructure and a range of downstream space applications

AK BHATT
DIRECTOR GENERAL, ISPA

India Has Shown Remarkable Development in the Space Sector, aver experts at Amity

Aug 19: Amity University Uttar Pradesh, Noida Campus, organized a Panel Discussion titled 'Future of India's Space Sector: Academia-Industry Collaboration, Innovation Entrepreneurship', as part of India Space Week 2026 celebration. The panel discussion together eminent experts from the space, defence, industry and academic sectors to debate India's evolving space ecosystem, opportunities for students and startups, and the role of innovation and entrepreneurship in shaping the future of the sector.



PANEL DISCUSSION/ DISTINGUISHED TALK & STUDENT INNOVATION AWARDS

INDIA SPACE WEEK 2026

The new space frontier: India's startups reach for orbit

Billion in investment and ambitious goals have reshaped the space sector but policy gaps and structural challenges could slow the ascent



Space sector takes a new leap

- 71% increase in venture capital funding
- \$615 million raised in 2025
- \$150 million raised in 2024
- \$113 million raised in 2023

India's space sector eyes next \$1 bn in 3-5 yrs

Venture Capital Remains Major Funding Source

SouthBureau/ @southbureau



SOARING FROM ONE HIGH TO THE NEXT

- August 2025: space companies received \$1.1 billion in venture capital funding, up from \$615 million in 2024.
- 71% increase in venture capital funding
- \$615 million raised in 2025
- \$150 million raised in 2024
- \$113 million raised in 2023



अंतरिक्ष अनुसंधान में भारत की बढ़ती क्षमता

राष्ट्रीय अंतरिक्ष दिवस

शक्ति पॉइंट पर उतरा था विक्रम लैंडर

जयशंकर IRIIGC-TEC के 27वें सत्र की करेगे सह-अध्यक्षता



PM मोदी ने स्पेस डे की शुभकामनाएं दी

किरी भी वीडियो का इस्तेमाल करते हैं वो आपको कॉपीराइट स्ट्राइक के साथ कानूनी कार्रवाई

23/08/2026



PM MEETS SPACE TECH STARTUPS CEOs

PM MEETS SPACE TECH STARTUPS CEOs

The long wait for space legislation

Despite Skyroot feat, India has world's costliest rocket launches



The long wait for space legislation

Despite Skyroot feat, India has world's costliest rocket launches

India's next space growth phase will be driven by downstream applications, private players

AGENCIES New Delhi, 21 August



India's next space growth phase will be driven by downstream applications, private players

IN-SPACE proposes ₹500 crore third-party insurance cover for space launches

The third party damage insurance framework will likely be part of Indian Space Activity Bill



IN-SPACE proposes ₹500 crore third-party insurance cover for space launches

ISRO's NEW TRAJECTORY

Private sector to take the lead in building launch vehicles

The Indian Space Research Organisation (ISRO) is going through a strategic shift, focusing on research, development and big-ticket space missions, leaving the manufacturing of launch vehicles and marine satellites to the private sector, said a top executive on Sunday.



Private sector to take the lead in building launch vehicles

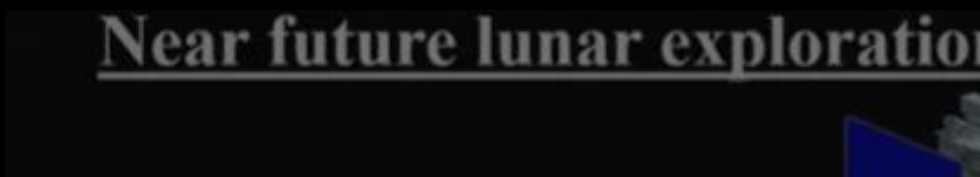


Spaceteck Firms Find New Launchpad In Hyd

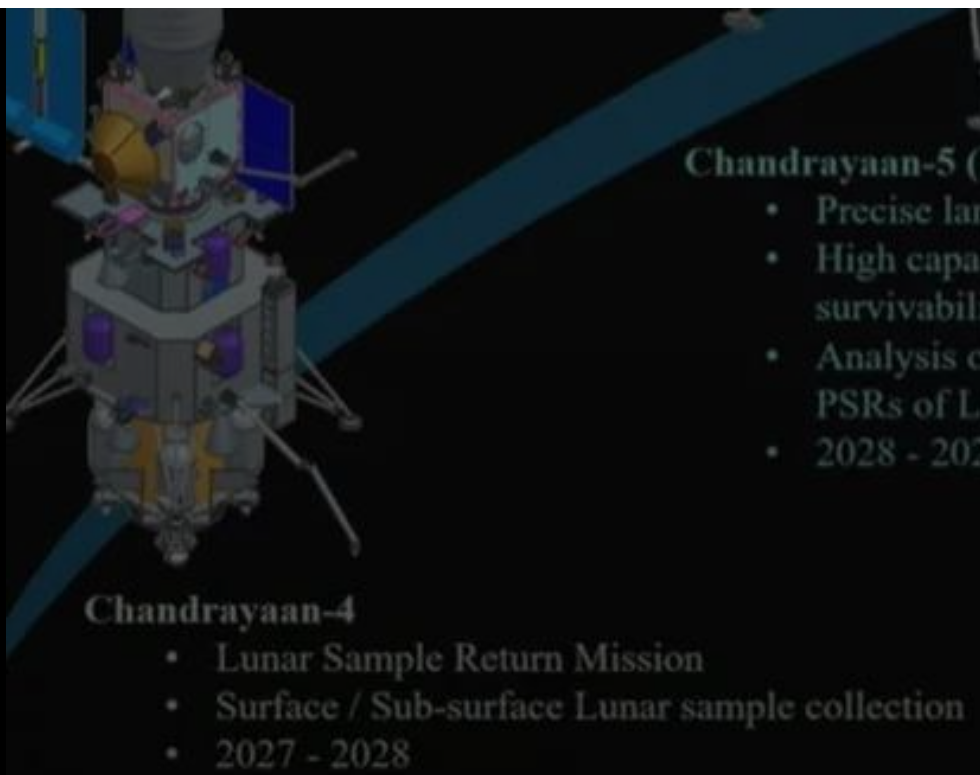
Spaceteck Firms Find New Launchpad In Hyd



Spaceteck Firms Find New Launchpad In Hyd



NATIONAL NEWS



NATIONAL NEWS

India's comprehensive air defence shield designed to kill everything from drones to satellites

01 Aug 2026

The Times of India

India's youth driving advances in AI, space & deep tech: PM Narendra Modi

01 Aug 2026

The Economic Times

The many challenges for ISRO: Rise of startups, launch setbacks, attrition

01 Aug 2026

The Indian Express

ISRO aims for space station by 2035, Moon Mission by 2040

01 Aug 2026

The Indian Express

2 strategic satellites sit at spaceport as govt nod eludes Isro

03 Aug 2026

The Times of India

IN-SPACE re-entry rules expose insurance crunch

03 Aug 2026

The Economic Times

AgniKul Cosmos bets on reusable rockets to make launches on demand and affordable; eyes early 2027 for Mission 2

03 Aug 2026

Hindu BusinessLine

The mother ship

03 Aug 2026

The Telegraph

Why private banks are funding the next generation of satellites

03 August 2026

The Ken

Indian astronaut Ajit Krishnan in US for year-long strategic leadership training

03 Aug 2026

India Today

Space technology to shape India's next growth story, says ISRO scientist

03 Aug 2026

The Tribune

After Skyroot's Big Win, Indian Space Startups Bag \$871 Million Funding

03 Aug 2026

NDTV

ISRO launches on hold as government approval delays NVS-03 and GISAT-1A missions at Sriharikota

03 Aug 2026

Moneycontrol

Ground Control: The Investable Layer Beneath India's Space Economy

04 August 2026

One Mint

ISRO Robotics Challenge Drives Students Towards Future Space Missions

04 August 2026

Deccan Chronicle

India's geography, not low-cost launches, is its biggest edge in the global space race, says startup CEO

05 August 2026

Firstpost

Manpower issues in space, nuclear power

05 August 2026

The Hindu BusinessLine

From Launch To Data, Tech To Isro Facility Use, Pvt Cos To Get 30-100% Subsidy

05 August 2026

The Times of India

India's first AI-powered half-humanoid Vyommitra gets ready for historic space flight

05 August 2026

Business Today

After Vikram-1 success, govt offers up to 100% incentives for Indian space companies

05 August 2026

India Today

India should invest in space sovereignty

05 August 2026

Hindustan Times

20 low earth orbit satellites at higher risk of collision due to crowding: Space minister Jitendra Singh in Lok Sabha

06 August 2026

The Times of India

Navigation sat NVS-03 ready for launch, 3 more satellites to follow: Space min Jitendra Singh in LS

06 August 2026

The Times of India

Agni-4 medium-range ballistic missile test-fired from Odisha

06 August 2026

The Hindu

NATIONAL NEWS

Agni-4 medium-range ballistic missile test-fired from Odisha

06 August 2026

The Hindu

'Power banks' for satellites: Bengaluru company builds tech to keep ageing spacecraft alive

07 August 2026

The Times of India

India plans safe space for local satellite communications players

07 August 2026

The Economic Times

Indian-origin Nasa astronaut Anil Menon embarks on maiden 6.5-hour ISS spacewalk

07 August 2026

The Economic Times

Viasat-3 F3 satellite completes reflector and boom deployment, begins in-orbit testing

07 August 2026

Space & Defense

Gaganyaan moves closer to reality, critical human-rating milestones achieved: Minister Jitendra Singh

07 August 2026

The Times of India

India's first satellite-guided chopper approached launched at HAL airport

07 Aug 2026

The Times of India

India enters elite rocket-engine club as Astrobase unveils 800 kN FFSC engine

08 Aug 2026

FirstPost

IN-SPACe moves to privatise operations of Rs 986 crore spaceport

09 Aug 2026

The Times of India

Isro eyes 300 satellites in six years, space station by 2035: Chairman

09 Aug 2026

Business Standard

Optimized builds satellites to focus on Earth, space traffic

08 Aug 2026

The Economic Times

From 400 feet to 400 km, India needs unified policy framework: Experts

10 Aug 2026

The Times of India

India builds tow trucks for space: Aule Space tests satellite-docking tech at Isro

10 Aug 2026

India Today

Indian spacetechn enters second phase as startups build commercial space infrastructure

10 August 2026

The Hindu Business Line

Young Indian start-ups take on challenges of space

10 August 2026

ANI

GalaxyEye acquires Bengaluru-based spacecraft engineering firm StarOps

10 August 2026

Business Standard

Never-before-seen ozone layer detected over Bay of Bengal. Isro tracking it

10 August 2026

India Today

Indian spacetechn enters second phase as startups build commercial space infrastructure

10 August 2026

The Hindu Business Line

How a Mumbai start-up cracked missile cooling tech

10 August 2026

The Hindu Business Line

Take high risks, build cos while in school, degrees don't matter, says Skyroot CEO Pawan Chandana

11 August 2026

The Times of India

Govt to hand over Rs 950-crore under-construction Isro spaceport to private sector

11 August 2026

India Today

Odisha pushes life sciences expansion, rare earth & space agenda with Centre

12 August 2026

The Indian Express

IN-SPACE has granted 113 authorisations to 52 NGEs to conduct space activities: Jitendra Singh

12 August 2026

The Economic Times

Indian astronauts don't need to go abroad for training. ISRO is building Gaganyaan Nivas

12 August 2026

ThePrint

NATIONAL NEWS

[Starlink, Jio, OneWeb Hold Provisional Nod For Satcom Services in India, Govt Tells Parliament](#)
12 August 2026
NDTV Profit

[i-Hub Gujarat, SanchiConnect Scale Accelerator to Support 30 Defence, Aerospace Startups](#)
12 Aug 2026
Analytics India Magazine

[IN-SPACe's expanding role raises troubling questions over ISRO's assets](#)
12 Aug 2026
Moneycontrol

[The next step to the Moon and an invite for India](#)
13 Aug 2026
Indian Express

[IN-SPACe approved country's first fully commercial earth observation sat constellation: Jitendra Singh](#)
13 August 2026
The Times of India

['AI needs proper training for use in space tech'](#)
13 August 2026
The Times of India

[aExclusive: ISRO is ready to launch its navigation satellite NVS-03 in September](#)
14 August 2026
The Print

[Redcliffe Labs partners Skyroot to test diagnostics in space](#)
14 August 2026
The Times of India

[SSLV booster upgrade clears test, could boost payload capacity by 100kg.](#)
14 August 2026
The Times of India

[Indian astronaut Subhanshu Shukla's Ax-4 mission data provides new insight into space radiation hazards](#)
14 August 2026
The Tribune

[Exclusive: ISRO is ready to launch its navigation satellite NVS-03 in September](#)
14 August 2026
The Print

[Bhubaneswar-based start-up tests drug manufacturing in space](#)
15 August 2026
The Indian Express

[Space is now thrown open to all](#)
15 August 2026
The Indian Express

[ISRO announces re-entry of LVM3-M5](#)
15 August 2026
The Indian Express

[India has around 440 space technology startups](#)
16 August 2026
ANI

[Despite its reputation, India's per-unit space launch cost highest: study](#)
16 August 2026
The Hindu

[First industry-built PSLV launch slips to March 2027](#)
17 August 2026
The Economic Times

[Centre mulls single-window clearance for space sector](#)
17 August 2026
ET Telecom

[India is opening its satellite market, but wants room for local players](#)
17 August 2026
Business Standard

[Tata Group's Nelco invests \\$20 million in Elveo Mobile for D2D satellite services](#)
17 August 2026
The Hindu Business Line

[ISRO set to resume launches after 7-month pause with GISAT-1A in September](#)
18 August 2026
The Indian Express

[ISRO official says docking technology key to future lunar, human space'](#)
18 August 2026
ThePrint

[Bengaluru firm Digantara builds India's own eyes in orbit](#)
18 August 2026
The Times of India

[Satcom witnessing remarkable phase of technological evolution: Experts](#)
18 August 2026
The Hindu BusinessLine

NATIONAL NEWS

NavIC More Accurate Than GPS, Big.Tech Integrating Indigenous Tech: IN-SPACE Director

19 August 2026

ETV Bharat

NASA wants ISRO on its Moon base. India must consider the risks

19 August 2026

ThePrint

India's space ambitions are soaring, but can its talent pipeline keep pace?

19 August 2026

Firstpost

India set to become a global defence manufacturing hub: FICCI session highlights export potential

19 August 2026

Fortune India

AI, Quantum Tech to Power India's Next-Gen Satellites and Strengthen National Security: ISRO Experts at National Space Technology Conclave 2026

19 August 2026

ANI

Tata's Nelco eyes early-mover edge, targets direct-to-device satcom launch by 2028

19 August 2026

Moneycontrol

BEL, Ananth Technologies forge partnership for missiles, radars and satellite systems

19 August 2026

ET Government

Tripura partners with Skyroot to connect engineers with pvt space sector

20 Aug 2026

ThePrint

Satcom services from Jio, Starlink, OneWeb stuck over security concerns

20 August 2026

Mint

Security compliance gaps delay satellite broadband launch by Starlink, OneWeb in India

20 August 2026

Moneycontrol

Stepping Beyond Dreams: Mayurbhanj's Shyam Tudu Gets A First-Hand Look At India's Space Programme

20 Aug 2026

ETV Bharat

BL Explainer: Why is Starlink struggling to enter the Indian market?

20 Aug 2026

The Hindu Business Line

Long Cancer Infusions To Space Labs, How An Odisha Startup By '3 Musketeers' Looks To Take Drug Research Into Orbit

20 Aug 2026

ETV Bharat

How Red Balloon Aerospace is building India's near-space infrastructure

21 Aug 2026

YourStory

Despite Skyroot feat, India has world's costliest rocket launches

21 Aug 2026

Mint

Despite Skyroot feat, India has world's costliest rocket launches

21 Aug 2026

Mint

PM Modi meets 20 space start-up CEOs, pitches India as global space hub

21 August 2026

The Indian Express

Kodinar to be Gujarat's Sriharikota; set to host India's next spaceport

22 August 2026

The Times of India

Northeast India looks to emerge as space-tech gateway to Southeast Asia

22 August 2026

The Economic Times

Nelco and Elveo join forces to deliver next-gen satellite solutions

23 August 2026

The Times of India

From Thumba to tomorrow: Indian space programme is preparing for its biggest leap yet

23 August 2026

The Times of India

India's space economy projected to reach \$40-45 billion over next decade

23 August 2026

The Times of India

India is building 'eyes in space' to spot missile launches before they become a threat

23 August 2026

Firstpost

Indian space start-up eyes pharma manufacturing in space, satellite recovery to Earth

23 August 2026

The Indian Express

NATIONAL NEWS

Space, AI and other tech integration to shape a nation's geopolitical future: Minister Shekhawat

23 August 2026

The Hindu

Indian chips find a place in space missions

23 August 2026

Fortune India

National Space Day: Gaganyaan To Venus Mission, India Gears Up For New Space Exploration Phase

23 August 2026

NDTV Profit

On National Space Day, PM Modi hails Gen Z for building new tech; Isro chief says plan to launch 8 vehicle, 12 satellite missions

24 August 2026

The Times of India

Assam In Final Stage Of Partner Selection To Build Satellite: Himanta

24 August 2026

ETV Bharat

Global space norms find a firm footing in India's new re-entry rules

24 August 2026

The Hindu

"India's space sector has taken global trajectory under PM Modi, ISRO's legacy bearing fruit": Jitendra Singh hits back at Jairam Ramesh

24 Aug 2026

ANI News

Assam starts final-stage selection of pvt partner for its satellite

24 August 2026

The Times of India

BJP rejects Congress' charge of 'aggressive privatisation' in space sector, says ecosystem is expanding

24 Aug 2026

The Hindu

India's space ambitions are soaring. But does it have enough young scientists?

24 Aug 2026

FirstPost

India's space ambitions are soaring. But does it have enough young scientists?

24 Aug 2026

FirstPost

India's satellite launch cost 4 times higher than US, Cambridge study finds; Space Dept disputes findings

24 August 2026

The Economic Times

Singtel seeks FDI approval to enter India's satellite communications market

25 Aug 2026

The Economic Times

Odisha government exploring ways to establish satellite launch centre, informs minister Patra

25 Aug 2026

The Economic Times

Skyroot gears up for second Vikram-1 launch, sends first stage to Sriharikota

25 August 2026

India Today

Why strangulate ISRO with privatisation push: Congress

25 Aug 2026

Economic Times

Why everyone wants a rocket that comes back

25 Aug 2026

The Times of India

InspeCity Raises ₹100 Crore to Take In-Space Servicing Systems to Orbit

27 Aug 2026

AIM Network

ISRO's 'Bahubali' draws big industry interest as L&T, Adani, others eye rocket technology

31 Aug 2026

Economic Times

From Skyroot To Red Balloon: India's Private Space Push With Airships, Flying Cell Tower | CVS Kiran

30 Aug 2026

Times of India

Spaceteck startups urge Telangana govt to build dedicated Space City

29 Aug 2026

Times of India

India Has a Frugal Approach to Space Flights. But Cheaper Doesn't Mean Cheap

29 August 2026

Analytics India Magazine

Is ISRO losing what it needs to lead?

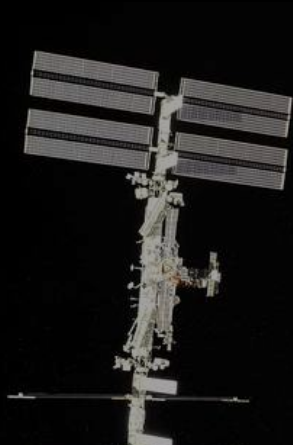
29 Aug 2026

Frontline Magazine

Isro to return to launchpad with Gsat-1A; lift-off likely on Sept 4

28 Aug 2026

Times of India



INTERNATIONAL NEWS



INTERNATIONAL NEWS

USA

- [A discarded SpaceX rocket is on a high-speed collision course with the moon](#)
- [SpaceX to develop Starship launch site in Louisiana](#)
- [4 tonne piece of SpaceX rocket smashes into moon](#)
- [NASA invites ISRO to join Moon Base programme as India, US deepen space cooperation](#)
- [AST SpaceMobile posts wider quarterly loss after BlueBird 7 satellite incident](#)
- [**NASA invites ISRO to join Moon Base programme**](#)
- [SpaceX launches two Falcon 9 rockets just 38 minutes apart, sets new record](#)
- [Alphabet's SpaceX bet grows 100-fold over a decade to \\$94 billion](#)
- [Rocket Lab Now Prime and Bus Supplier in GEO: Viasat Selects Lightning-GEO for Anti-Jam Satellite](#)
- [**Trump wants US astronauts back on the lunar surface by 2028; signs 'commercial-first' executive order on space launches**](#)
- [Starlink would help the 'least served' in India: Elon Musk](#)
- [T-Mobile CFO Cites Physical Laws Limiting Satellite Direct-to-Device Networks to Complementary Coverage](#)
- [SpaceX's New AI Satellites to Take Off in 2027](#)
- [**SpaceX to build \\$100 billion Starship rocket complex in Louisiana**](#)
- [Gravitics to build 'orbital carriers' for space-based missile defense](#)
- [Katalyst Space using Swift reboost spacecraft to aid future satellite servicing missions](#)
- [Falcon Heavy launches NASA's Roman Space Telescope](#)
- [NorthStar to deploy 11 sensors on Kepler relay satellites to track objects in orbit](#)
- [LeoLabs wins \\$20 million Space Force deal for Scout radar](#)
- [SpaceX's mobile ambitions jolt US telecom market, analysts debate threat](#)
- [Launching 10,000 tiny 'femtosats' to Saturn? NASA funds 18 futuristic spaceflight ideas](#)
- [NASA satellites ace world's 1st 'lost-in-space' GPS-free navigation experiment](#)
- [Starlink's satcom needs earthly fixes](#)
- [Artemis II pilot thanks NASA for letting him fly Orion by hand: 'I'm still blown away by that trust'](#)
- [NASA astronaut and 1st female French spacewalker remove failed ISS antenna but run out of time for replacement](#)

INTERNATIONAL NEWS

CHINA

- [China's Long March 7A rocket explodes 85 seconds after launch, satellite destroyed in fiery failure](#)
- [China's commercial space sector expands global footprint with Thailand deal](#)
- [Long March 6C launches 7 satellites, Chang'e-7 rocket rolled back to assembly building](#)
- [Bad weather delays launch of China's historic Chang'e 7 mission to moon's south pole](#)
- [China's Chang'e 7 moon probe will launch this weekend on the most ambitious lunar mission in history](#)
- [**China bounces back from Long March rocket explosion with back-to-back launches \(video\)**](#)
- [Long March 6C rocket stage fragments in orbit, creating cloud of debris](#)
- [Shanghai starts work on wharf for its "Rocket City"](#)
- [Galactic Energy targets Sept. 1 for debut launch of Pallas-1 rocket](#)
- [China delays Chang'e-7 lunar south pole landing mission launch](#)
- [**China's Chang'e-7 lunar ice-hunting mission set for Sunday launch**](#)
- [Chinese radio-frequency intelligence startup StarRF closes new funding round](#)
- [**China's Landspace recovers booster with second orbital launch of Zhuque-3 rocket**](#)
- [Long March 12 launches despite recent 7A failure, Long March 2C launches satellite for UAE](#)
- [Chinese launch startup Orienspace targets IPO, secures funding for reusable Gravity-2 rocket](#)
- [Bipartisan Senate bill would sharpen Space Force training for conflict with China](#)
- ['This goes beyond showcasing technological soft power': China's new moon map signals bold space ambitions \(video\)](#)
- [China's iSpace raises first batch of series E funding for reusable rocketry](#)
- [Chinese Long March 7A rocket explodes shortly after liftoff](#)
- [China launches secretive TJS-27 pair, orbits next-gen Tianlian relay sat](#)
- [Landspace aims to reflly recovered Zhuque-3 booster within six months](#)
- [National security doesn't need more maps or imagery; it needs measurement](#)

INTERNATIONAL NEWS

OTHER NATIONS

- [Space junk crisis worsens as over a tonne of debris falls to Earth every week: Report](#)
- [Russia Accelerates Deployment Of Rassvet Low-Earth-Orbit Satellite Network, Challenges Starlink](#)
- [Space junk is piling up: How companies are turning orbital cleanup into a business](#)
- [Vietnam's VinSpace signs deal with Elon Musk's SpaceX to launch its 1st satellites](#)
- [Starlink starts taking orders for satellite internet service in Vietnam](#)
- [Suitcase-sized spacecraft may reveal what happened before first stars formed](#)
- [Singtel seeks FDI approval to enter India's satellite communications market](#)
- [Ariane 6 launches European weather satellite in first GTO mission](#)
- [D2D venture Astrum Space joins SPAC resurgence with \\$1 billion deal](#)
- [Sarmony to launch SAR demonstration satellite on Kairos](#)
- [Space goes public: How \\$89 billion in IPOs is powering the new space economy](#)
- [Miratlas seeks funds to expand optical ground station mapping technology](#)
- [Spain commits up to \\$2.3 billion for national military communications for IRIS²](#)
- [Northrop Grumman, Canadian Space Agency repurpose their Gateway projects](#)
- [Russian cosmonauts wish India on 80th Independence Day from space, hail decades-old friendship](#)
- [Rocket Lab launches 9th satellite for IQPS](#)
- [OHB wins contract to build IRIS² medium Earth orbit satellites](#)
- [ESA awards first European Launcher Challenge contracts](#)
- [Ariane 6 launches European weather satellite in first GTO mission](#)
- [New EU sanctions target leaders of Russia's space industry](#)
- [NASA and Roscosmos continue seat barter agreement](#)
- [The Lightspeed gamble and Canadian sovereignty](#)
- [Bulgaria advances project to launch new space, defense innovation hub](#)
- [Constellr picks Space Inventor to expand thermal imaging constellation](#)
- [H3 launches navigation satellite](#)

OTHER NEWS



By Jatan Mehta

Moon Monday

The world's only newsletter dedicated to covering and contextualizing global lunar exploration updates, including plans to return humans to our Moon this decade.

The fiery origin of our Moon tied to Earth, as unraveled by scientists through Apollo and now modern missions

Moon Monday #290: Lunar samples brought by Apollo missions transformed our understanding of the Moon's formation and Earth's past. Chang'e and Chandrayaan missions have newly enriched the endeavor as scientists continue unraveling its complex layers.

31 Aug 2026

Exploring the marvel that are mountains on the Moon

Moon Monday #289: They form near-instantly and offer a peak into the Moon's interior, improving our understanding of planets across the Solar System and beyond.

24 Aug 2026

Moon Monday #287: Mission updates from China, the US, Europe and Japan

Before we begin, I'm thrilled to share that Open Lunar Foundation is continuing as a sponsor of my Moon Monday blog+newsletter for the sixth year! Open Lunar is a US-based non-profit organization with a global team that develops bottom-up tools of lunar governance to enable

10 Aug 2026

Our Moon is two-faced. Science missions unravel its layers.

Moon Monday #286: China's Chang'e 6 samples have helped scientists decipher enigmatic layers of the lunar farside, leaving a curious trail for future missions to build upon.

03 Aug 2026

SPACE LAWS, RULES AND AGREEMENTS

1. Türkiye becomes the 71st Artemis Accords Signatory:

Türkiye's accession further expands the international coalition supporting principles for peaceful, transparent and sustainable exploration of outer space.

2. United States Issues New National Space Transportation Policy:

The policy seeks to expand launch and re-entry capacity, streamline regulatory coordination and expand commercial access to government infrastructure, targeting over 1,000 annual operations by 2030.

3. Third-Party Liability Policy Framework Remains Under Consideration:

The framework is intended to clarify the 'allocation of liability and insurance requirements' for third-party damage arising from Indian space objects, including those operated by private entities, while giving effect to India's international liability obligations.

4. Secure World Foundation submits FAA Commercial Launch & Re-entry Proposal:

The Secure World Foundation (SWF) submitted formal comments to the U.S. Federal Aviation Administration, calling for environmental data collection, cumulative-effects assessment and greater scrutiny of novel or higher-risk activities alongside a more efficient licensing process.

5. U.S. Launches Space Commerce Certification Pilot:

The U.S. Office of Space Commerce launched the pilot phase of its Space Commerce Certification (SCC) framework and invited industry participation. The framework seeks to reduce regulatory duplication and uncertainty by creating a more predictable authorisation pathway for emerging commercial space activities.

6. Sri Lanka Calls for Legally Binding Treaty on PAROS:

Sri Lanka advocated a comprehensive, legally binding and multilaterally verifiable treaty preventing the placement of weapons in outer space, while emphasising debris and security concerns.

7. ESPI Releases Findings from Lunar Governance Tabletop Exercise:

The exercise explored governance challenges at the lunar south pole, including competing access, interference and operational interests among state, scientific and commercial actors.

8. Australia Publishes August Space-Activity Licensing Decisions:

The decisions demonstrate the continued implementation of Australia's statutory licensing framework for launches, returns and overseas payload activities.

GOVERNMENT POLICIES/ CONSULTATIONS/ RECOMMENDATIONS/ ANNOUNCEMENTS

Expression of Interest (EOI)

Operations and Management of Small-Satellite Launch Complex (SLC) at Kulasekarapattinam, Tamil Nadu

IN-SPACE has released an Expression of Interest (EOI) inviting Indian private firms to take over operation and management of the Small-Satellite Launch Complex (SLC) at Kulasekarapattinam, Thoothukudi district, Tamil Nadu. The move is in line with the space sector reforms announced by the Government of India and the Indian Space Policy-2023, which open up space operations to private sector participation. IN-SPACE, through ISRO, will facilitate handover of the facilities established at the SLC to the selected party.

The opportunity is aimed at capable Indian industries with demonstrated experience in executing and managing large-scale, multidisciplinary infrastructure and operations projects, who are interested in operating the SLC to provide commercial launch services to launch vehicle operators.

To support a smooth transition, ISRO will provide the selected party with technical guidance, operational support, training and handholding assistance for a defined period - up to the completion of three launch services to launch vehicle operators, or one year, whichever is earlier.

IspA UPCOMING EVENTS

INDIA INTERNATIONAL SPACE CONCLAVE 2026

The **5th edition of the India International Space Conclave (IISC)**, themed "Orbital Horizons 2026: Building a Globally Competitive & Sustainable Space Economy," will be held on **23-24 November 2026 at The Lalit, Barakhamba Road, New Delhi**. The Conclave brings together policymakers, industry leaders, start-ups, investors and global stakeholders to shape the next phase of India's space economy, with two days dedicated to distinct mandates: Day 1 on Policy, Markets & Investment and Day 2 on building a Trusted, Skilled Ecosystem

As a leading platform for strategic dialogue and collaboration, IISC 2026 will advance conversations on Satcom, spectrum and emerging space services, financing and insurance for NewSpace, Earth observation and geospatial applications, sustainable space operations and skilling pipelines - while looking ahead to lunar exploration and human spaceflight.

Registrations opening soon - visit ispaevents.space for more information.



Founding Members

- Alpha Design Technologies
- Bharti Airtel
- CE Info Systems (MapmyIndia)
- Larsen & Toubro
- Nelco (A TATA Enterprise)
- Eutelsat OneWeb
- Walchandnagar Industries

Associate Members

- AstroWorks Ventures LLC
- APEX
- Avantel
- Axon Interconnectors & Wires
- BAE Systems India
- BEML Limited
- Bharat Electronics
- Broadcast Engineering Consultants India
- Capella Space
- ESRI India
- HAL - Hindustan Aerospace Division
- Hexcel Composites LLP
- ICEYE
- LeoLabs
- Nibe Space
- Northstar Earth
- Planet Labs
- Samtel Avionics
- SES India
- Tata Advanced Systems
- Tata Consultancy Services
- Vantor
- Virat Exim

Core Members

- Ananth Technologies
- Astra Microwave Products
- Azista Industries
- Bharat Forge
- Centum Electronics
- Godrej & Boyce Manufacturing
- Hughes Communications India
- Ipstar (India)
- Viasat

Start-up Members

- Agnikul Cosmos
- AIDIN Technologies
- Altz Technologies
- Anvikshiki Sarvajna
- Apsis Aerocom
- Astradyn Systems LLP
- Astrobasespace Techno
- Astrogate Labs
- Astrome Technologies
- Augsenselabs
- Aule Space
- Bellatrix Aerospace
- BES Space
- Big Bang Boom Solutions
- BQP Technologies
- Caliche
- CI-Metrics
- Cosmoserve Space
- CYRAN AI Solutions
- Codimaths
- Dhruva Space
- Digantara Research
- Elena Geo Systems
- GalaxEye Space
- Geo Solutions India
- GarudaUAV Soft Solution Pvt Ltd.
- Ice Aero Pvt Ltd
- Inbound Aerospace
- Indian Technology Congress Association
- Inspecty Space Laboratories
- KaleidEO Space Systems
- Kawa Space
- KSpace
- Kepler Aerospace
- Kristellar Aerospace
- LuminASIC Pvt Ltd
- Maan Defence
- Maargin Research and Innovation Pvt Lt
- Manastu Space
- Micronet Solutions
- NAV Wireless Technologies
- OmSpace Rocket & Exploration
- OnEarth Space TS
- Omnipresent Robot Tech
- OrbitAID Aerospace
- Orbitt Space
- Orbix Global
- Piersight Space
- Pixxel
- QOSMIC
- Robinsons Cargo & Logistics
- Saankhya Labs
- Samkalpa Systems
- Sanyark Space
- SatLeo Labs
- SISIR Radar
- Siliconia Technologies
- Skymap Global India
- Skyroot Aerospace
- SkyServe
- Spacefields
- Space Machines Co.
- Suhora Technologies
- TheSpaceLabs
- ThrustWorks Dynetics
- Ulook Technologies
- Upgraha Space
- VEDCOMSPOC
- Vihaan SpaceTech
- VyomIC
- Xdlinx Space Labs
- Xovian Aerospace



@ISpA- Indian Space Association



@ISpA_India



@Indian_Space_Association



@ispa.india

Contact ISpA



ispa.space



+91 96673 03304



info@ispa.space



United Service Institution (USI) Building, Ground Floor Rao Tula Ram Marg (Opposite Signals Enclave Shankar Vihar), Delhi Cantonment, New Delhi, Delhi 110010