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समाचार पत्रों से चयनित अंश

Newspapers Clippings

डीआरडीओ समुदाय को डीआरडीओ प्रौद्योगिकियों, रक्षा प्रौद्योगिकियों, रक्षा नीतियों, अंतर्राष्ट्रीय संबंधों और विज्ञान एवं प्रौद्योगिकी की नूतन जानकारी से अवगत कराने हेतु दैनिक सेवा

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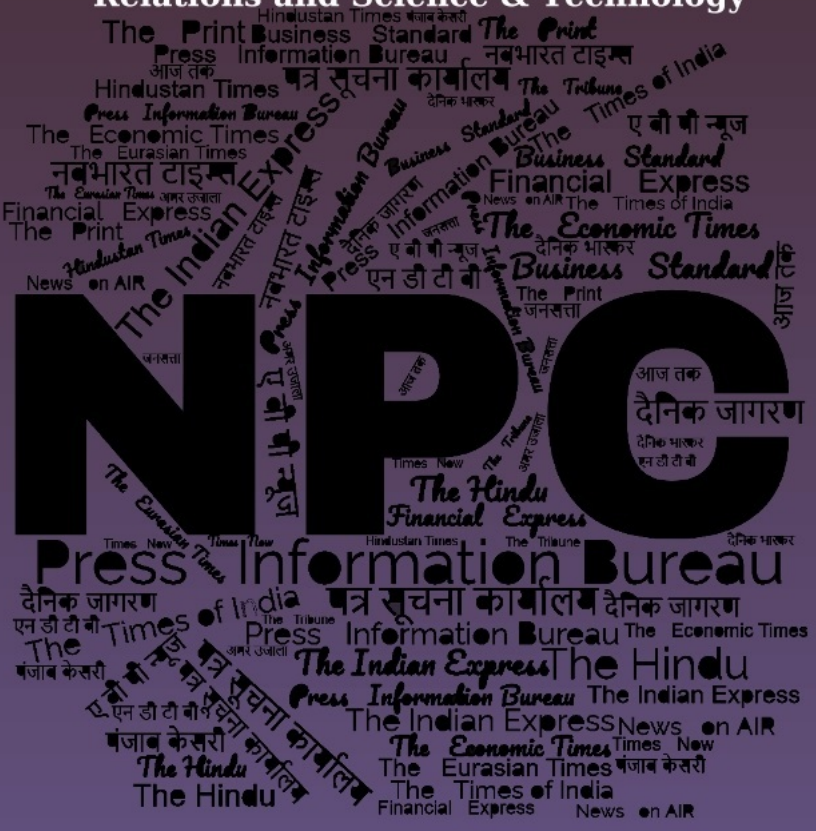

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Defence News

Ministry of Defence to set up testing facility in Mechanical & Material domain in Tamil Nadu Defence Industrial Corridor

Source: Press Information Bureau, 28 July 2025

Ministry of Defence (MoD) signed an MoU to establish a state-of-the-art testing facility in Mechanical & Material domain Tamil Nadu Defence Industrial Corridor in Tiruchirappalli under the Defence Testing Infrastructure Scheme (DTIS), on July 28, 2025 in New Delhi. The MoU was exchanged between the senior officials of MoD and Tamil Nadu Industrial Development Corporation Limited (TIDCO), in the presence of Secretary (Defence Production), MoD Shri Sanjeev Kumar.

The DTIS provides up to 75% government funding as 'Grant-in-Aid', with the remaining 25% funded by the Special Purpose Vehicle (SPV), comprising Indian private entities and State/Central Governments.

For the Mechanical & Material domain testing facility, Micro Labs, a private entity, is the lead SPV member. Other members of the SPV consortium are Tamilnadu Industrial Development Corporation Limited, Bharat Earth Movers Limited, Hindustan Aeronautics Limited and Vaidheswaran Industries. Upon the completion of the project, it will provide advanced testing equipment and services to both government and private industry, thus giving a boost to 'Aatmanirbharta' in defence.With an outlay of Rs 400 Crore, the DTIS was launched by Raksha Mantri Shri Rajnath Singh, to set up state-of-the-art testing facilities in collaboration with private industry and Central/State Government. The objective is to promote Aatmnirbharta through indigenous defence production and by reducing military equipment imports. To provide impetus to defence and aerospace sectors within the Defence Industrial Corridors, seven testing facilities were approved – four in Tamil Nadu and three in Uttar Pradesh.

https://www.pib.gov.in/PressReleasePage.aspx?PRID=2149370

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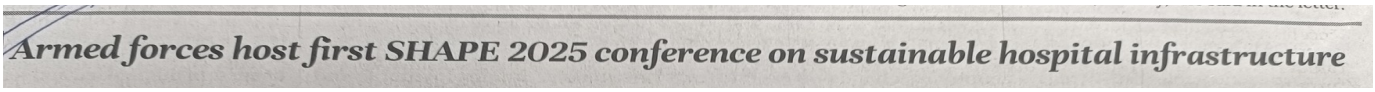
Armed forces host first SHAPE 2025 conference on sustainable hospital infrastructure

Source: The Statesman, 29July 2025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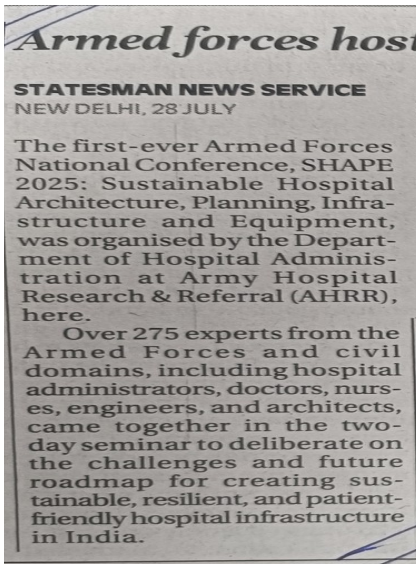
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STATESMAN NEWS SERVICE
NEW DELHI, 28 JULY

The first-ever Armed Forces National Conference, SHAPE 2025: Sustainable Hospital Architecture, Planning, Infrastructure and Equipment, was organised by the Department of Hospital Administration at Army Hospital Research & Referral (AHRR), here.

Over 275 experts from the Armed Forces and civil domains, including hospital administrators, doctors, nurses, engineers, and architects, came together in the two-day seminar to deliberate on the challenges and future roadmap for creating sustainable, resilient, and patient-friendly hospital infrastructure in India.


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The pioneering Continuing Medical Education (CME) event was inaugurated by Director General Armed Forces Medical Services (DGAFMS) Surg Vice Admiral Arti Sarin, and Director, AIIMS (New Delhi) Dr M Srinivas, along with several dignitaries.

According to a statement from the Ministry of Defence, the conference comes at a critical juncture as the nation prepares for its centenary of independence under the visionary Viksit Bharat@2047 agenda.

SHAPE 2025 brought together stakeholders from the military, civil, and private sectors to forge a unified vision for future-ready healthcare facilities. The discussions focused on moving beyond conventional blueprint-based hospital planning towards environmentally conscious, technologically enabled, and contextually aligned health infrastructure.

Sustainability in healthcare was acknowledged as a strategic necessity not just for environmental impact but for national preparedness, health equity, and patient safety.

SHAPE 2025 outlined a framework for integrating green technologies, such as solar energy, rainwater harvesting, disaster-resilient design, and zero-emission infrastructure. Emphasis was also laid on achieving GRIHA ratings, CFEES certification, and adopting ergonomically designed, healing architecture.

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foundation for a comprehensive doctrine on Sustainable Hospital Infrastructure, Architecture, Planning & Equipment Management, the statement added.

https://www.thestatesman.com/india/armed-forces-host-first-shape-2025-conference-on-sustainable-hospital-infrastructure-1503463533.html

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Science & Technology News

धरती की निगरानी वाले सैटेलाइट निसार का प्रक्षेपण कल

Source:Dainik jagran, Dt. 29 July 2025

धरती की निगरानी वाले सेटेलाइट निसार का प्रक्षेपण कल

चेन्नई, प्रेट्र : भारतीय अंतरिक्ष अनुसंधान संगठन (इसरो) के अध्यक्ष वी. नारायणन ने कहा है कि पृथ्वी पर नजर रखने वाले सेटेलाइट नासा-इसरो सिंथेटिक अपर्चर रडार (निसार) को 30 जुलाई, बुधवार को भारतीय राकेट जीएसएलवी-एस16 से लांच किया जाएगा। निसार के साथ जीएसएलवी-एस16 राकेट श्रीहरिकोटा स्थित सतीश धवन अंतरिक्ष केंद्र से उड़ान भरेगा और सेटेलाइट को कक्षा में स्थापित करेगा। 2,392 किलोग्राम वजन वाला निसार धरती की निगरानी करने वाला सेटेलाइट है। इसमें नासा की तरफ से तैयार एल-बैंड और इसरो द्वारा विकसित एस-बैंड रडार लगाया गया है, जिन्हें विश्व

- नासा-इसरो सिंथेटिक अपर्चर रडार (निसार) को जीएसएलवी-एस16 से प्रक्षेपित किया जाएगा
- इसरो और नासा मिलकर पहली बार ऐसा सेटेलाइट लांच कर रहे हैं जो पूरी धरती पर नजर रखेगा

आदित्य-एल1 सौर उपग्रह ने डाटा भेजना शुरू कर दिया है

आइएएनएस के अनुसार अन्य प्रमुख मिशनों पर अपडेट देते हुए इसरो प्रमुख ने बताया कि आदित्य-एल1 सौर उपग्रह ने सौर अनुसंधान डाटा भेजना शुरू कर दिया है। डाटा का विश्लेषण किया जा रहा है। इसरो प्रमुख ने भारत के आगामी चंद्र मिशनों की प्रगति के बारे में बताया। विश्वास जताया कि चंद्रमा से मिट्टी के नमूने वापस लाने के लिए डिजाइन किया गया चंद्रयान-4 सफल होगा।

में सबसे उन्नत माना जा रहा है। इसरो और नासा मिलकर पहली बार ऐसा सेटेलाइट लांच कर रहे हैं। नारायणन ने रविवार को कहा, निसार हर मौसम में 24 घंटे पृथ्वी फोटो खींच सकता है। यह भूस्खलन का पता लगा सकता है, आपदा प्रबंधन में मदद कर सकता है। इस सेटेलाइट से पूरे विश्व को लाभ होगा। भारत के मानव अंतरिक्ष यान मिशन, गगनयान इस साल दिसंबर में व्योममित्र नामक मानव राबोट को अंतरिक्ष में भेजा जाएगा।

देश-दुनिया की अन्य खबरों के लिए स्कैन करें या विजिट करें jagran.com

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NISAR satellite mounted on GSLV for launch tomorrow

Source: The Hindu, Dt. 29 July 2025

NISAR satellite mounted on GSLV for launch tomorrow

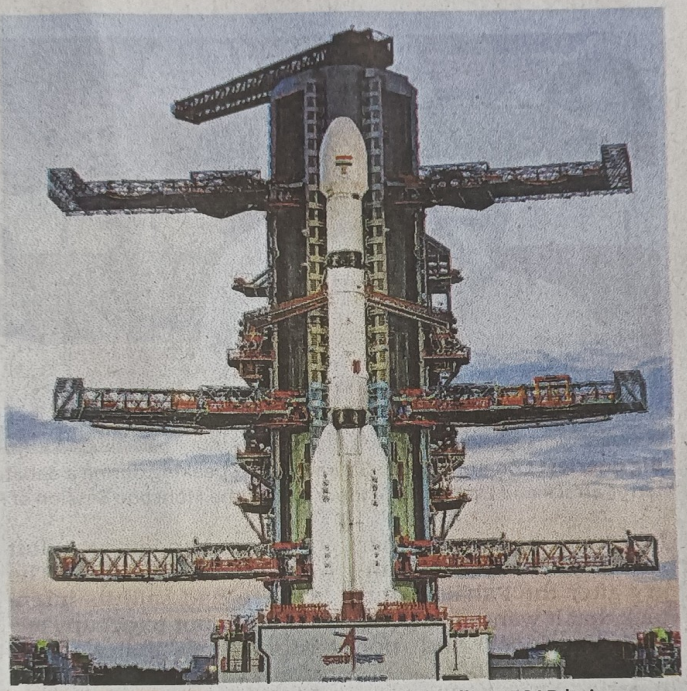
All systems of the launch vehicle checked, says ISRO; the rocket will inject the 2,392-kg earth observation satellite into a 743-km sun-synchronous orbit to enable a wide range of applications

The Hindu Bureau
BENGALURU

Ahead of the launch of the NASA-ISRO Synthetic Aperture Radar (NISAR) satellite on Wednesday, the Indian Space Research Organisation on Monday announced that the satellite had been mounted on a geosynchronous satellite launch vehicle (GSLV).

All systems of the rocket had been checked, it said.

After lifting off from the second launch pad of the Satish Dhawan Space Centre in Sriharikota at 5.40 p.m. on Wednesday, the GSLV-F16 rocket will inject the satellite into a 743-km sun-synchronous orbit.



Priming for lift-off: The NASA-ISRO joint satellite NISAR being readied for launch in Sriharikota on Monday. ANI

Watching earth

The 2,392-kg satellite is will be the first satellite to observe earth with a dual-frequency synthetic aperture radar (SAR) – NASA's L-band and the ISRO's S-band – both using NASA's 12-metre unfurlable mesh reflector antenna, integrated with the ISRO's modified I3K satellite bus.

With a mission life of five years, the satellite will observe earth with a swathe of 242 km and high spatial resolution, using the SweepSAR technology for the first time.

"The satellite will scan the entire globe and provide all-weather, day-and-night data at 12-day intervals, and enable a wide range of applications. NISAR can detect even small changes on earth's surface, such as ground deformation, ice sheet movement, and vegetation dynamics. Further applications include sea ice classification, ship detection, shoreline monitoring, storm characterisation, changes in soil moisture, mapping and monitoring of surface water resources, and disaster response," the ISRO said.

The NISAR mission is broadly classified into launch, deployment, commissioning, and science phases.

In the first phase, the satellite will be launched by the GSLV-F16 launch vehicle, while in the next, a 12-metre reflector antenna will be deployed in orbit nine metres from the satellite by a complex multi-stage deployable boom.

This will be followed by the commissioning phase.

In-orbit checkout

"The first 90 days after launch will be dedicated to commissioning, or in-orbit checkout, the objective of which is to prepare the observatory for science operations. Commissioning is divided into sub-phases of initial checks and calibrations of mainframe elements followed by JPL engineering payload and instrument checkout," the ISRO said.

The final science operations phase begins at the end of commissioning, and extends till the end of NISAR's five-year mission life.

"During this phase, the science orbit will be maintained via regular manoeuvres, scheduled to avoid or minimise conflicts with science observations," the ISRO said.

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The Tribune
The Statesman
पंजाब केसरी जनसत्ता
The Hindu
The Economic Times
Press Information Bureau
The Indian Express
The Times of India
Hindustan Times
नवभारत टाइम्स
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The Asian Age
The Pioneer