

CAREER BYTES

24th August, 2021, Chennai.

“Explore The Space” is an International, not-for-profit organization promoting space education. This feature, “World News on Space Science & Technology” seeks to spread information and latest updates on space sciences and technology. www.explorespace360.com

Disclaimer: The information provided above is gathered from various verified public sources. However, readers are advised to fact check.

1. Mars Helicopter Ingenuity soars through challenging 12th Flight on Mars:

The flight was designed as a recon device for the Perseverance Rover. The rover is exploring the planet and also life-hunting. The chopper serves as an eye for the Perseverance rover, which helps to transform Mars into Earth.

2. NASA Spacewalk - New Solar Array Installation:

Two Astronauts Mark Vande Hei from NASA and Akihiko Hoshide of the Japan Aerospace Exploration Agency will install a support bracket called a Modification Kit as they venture to do a spacewalk from the International Space Station. This will be very useful to study the new solar array installation.

3. Chandrayaan-2 detects the presence of water molecules on the moon:

ISRO chairman Dr K. Sivan said that Imaging Infrared Spectrometer placed 100 KM in the polar orbit. This helps acquire global scientific data and the initial data analysis clearly demonstrates the presence of widespread lunar hydration and unambiguous detection of OH and H₂O signatures on the Moon. The development also assumes significance considering that Chandrayaan-2 did not yield desired results as the Lander Vikram hard-landed on September 7, 2020. But the orbiter of the mission is working fine.

4. BRICS signs deal on Co-operation in Remote Sensing Satellite Data Sharing:

Brazil, Russia, India, China and South Africa signed an agreement of Cooperation. The pact inked on Wednesday enables building a virtual constellation of specified remote sensing satellites of BRICS space agencies and their respective ground stations will receive the data. The agreement was signed under India's BRICS Chair ship.

5. Policy ignition: India's satellite navigation sector set for higher growth trajectory:

The Department of Space (DoS) plans to devise a "comprehensive and substantive" national policy for satellite-based navigation. The draft is hosted on the ISRO website for public consultation after which it would be placed before the Union Cabinet for final approval.

6. Webinar on August 27, 2021:

Explore The Space (ETS) is conducting a free Webinar on “**Job Opportunities in Space and Allied Industries**” Exclusively for Placement Officers & Students. **Speakers are: Mr. S. Balagurunathan, Science Writer, NCERT & Times of India Awardee & Advocate Mr. Manoj Pillai,**
Please register in the google forms link: <https://forms.gle/ebZZcD9TE4sME9G36>

Our Sponsors



www.apexsolutionsltd.co.in



www.pbsiddhartha.ac.in