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3rd & 4th September

INTERNATIONAL

1) "Wastewater - Turning Problem to Solution"

- The report titled "Wastewater Turning Problem to Solution" is prepared by Global Wastewater Initiative.
- Only 11% of world's treated wastewater is reused and around 50% of untreated wastewater still enters environment.
- Wastewater could provide alternative energy to half a billion people, offset over 10% of global fertilizer use, and irrigate around 40 million hectares.

NATIONAL

1) Aarogya Maitri Cube

- India has built the world's first disaster hospital, called Aarogya Maitri Cube which can be airlifted and assembled in 72 cubes.
- These cubes contain medical equipment and supplies to support 200 survivors for 48 hours.
- These medical cubes have been indigenously developed under Project BHISHM (Bharat Health Initiative for Sahyog Hita and Maitri).

2) Gramodyog Vikas Yojana

- Gramodyog Vikas Yojana scheme was launched by Ministry of Micro, Small & Medium Enterprises and managed by Khadi and Village Industries Commission.
- It's main objective is Promotion and development of village industries through common facilities etc.





















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3) Hyperloop

- Tata Steel and TuTr Hyperloop (deep-tech startup operating from IIT Madras) signed a Memorandum of Agreement to jointly work on development of hyperloop technology.
- Hyperloop is a proposed ultra-high-speed (at over 700 miles an hour) ground transportation system for passenger and cargo.

4) 'Gandhi Vatika'

- President Droupadi Murmu will inaugurate a 12-foot statue of Mahatma Gandhi and a 'Gandhi Vatika' near Raighat.
- This initiative, organized by the Gandhi Smriti and Darshan Samiti, carries immense significance as it coincides with India's celebration of 75 years of independence and its tenure as the G20 presidency.

STATE NEWS

1) Gruha Lakshmi program

- The Government of Karnataka has introduced the Gruha Lakshmi program, which offers a monthly financial aid of Rs 2000 to eligible recipients.
- This initiative was a prominent feature in the Congress Party's election manifesto.

2) Investor Global Summit

- Pushkar Singh Dhami, the Chief Minister of Uttarakhand, inaugurated the logo and website for the Investor Global Summit set to take place in Dehradun on December 8-9, 2023.
- The summit is poised to explore investment opportunities across a wide range of sectors and holds the potential to usher in a significant transformation in the state's economic landscape.





















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3) Gorilla Glass manufacturing facility

- Corning Inc. is set to establish its cutting-edge Gorilla Glass manufacturing facility in Telangana.
- The proposed manufacturing unit will specialize in producing cover glass for leading players in the smartphone market

SCIENCE AND TECHNOLOGY

1) LIGO - India

- LIGO India (Laser Interferometer Gravitational-Wave Observatory) is set to become a prominent astronomical observatory in the world, aiming to detect and study gravitational waves, offering a new way to observe the universe.
- Gravitational waves are ripples in the fabric of space and time that travel at the speed of light.

2) Personalised Adaptive Learning

- The National e-Governance division plans to integrate Personalised Adaptive Learning into the Digital Infrastructure for Knowledge Sharing platform aiming to offer individualized learning experiences for students.
- Personalised Adaptive Learning is an educational approach that uses technology, particularly artificial intelligence, to customize the learning experience for individual students based on their unique needs, abilities, and progress.

3) ISRO successfully launches Aditya L1

- Aditya L1 is the Maiden Solar mission to study Sun. It was launched using PSLV -C57. It's objectives are:
- to study Coronal Heating and Solar Wind Acceleration























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- Initiation of Coronal Mass Ejection
- near-earth space weather
- Solar wind distribution and temperature anisotropy
- Spacecraft will be placed in a halo orbit around Lagrangian point 1 (L1) of Sun-Earth system, which is about 1.5 million km from Earth.
- Advantage of L1 point: Continuously viewing Sun without any occultation/eclipses, reduced fuel consumption etc

APPOINTMENTS

1) Dr. Vasudha Gupta

Dr. Vasudha Gupta has taken charge as the Principal Director General of Akashvani and News Services Division.

OBITUARY

1) Heath Streak

- Zimbabwe's former cricket captain Heath Streak has passed away at the age of 49, due to colon and liver cancer.
- He was particularly known for his prowess as a fast bowler. He held the distinction of being Zimbabwe's all-time leading wicket-taker in Test cricket, having taken 216 wickets at an average of 28.14.

SPORTS

1) Italian Grand Prix

- Max Verstappen has won the Italian Grand Prix and sets a new record for the most consecutive wins in Formula 1 history with 10.
- Sergio Perez made it a Red Bull 1-2 after he got ahead of Carlos Sainz following a fierce battle with the Ferrari driver in the closing stages.













