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National & States Affairs

601. On September 23, the Assam government decided to use the air pressure machine 'SAANS' across its hospitals to reduce neonatal mortality. 'SAANS' is a portable neonatal Continuous Positive Air Pressure (CPAP) system that can provide lifesaving breathing support to infants in hospital settings as well as during travel. This machine is developed by a Bangalore-based start-up InnAccel Technologies. For the development of the machine, InnAccel Technologies, incubated at the Centre for Cellular and Molecular Platforms (C-CAMP), partnered with the SAMRIDH Healthcare Blended Finance Facility to strengthen respiratory support for newborns and pediatric populations in Assam. SAMRIDH is a multi-stakeholder innovation and financing platform supported by the USAID. [{Read more}](#)

Key Points:

- Assam – to use the air pressure machine 'SAANS' across its hospitals to reduce neonatal mortality
- 'SAANS' is developed by = InnAccel Technologies (Bangalore) + SAMRIDH Healthcare Blended Finance Facility
- Assam: Capital – Dispur | CM – Himanta Biswa Sarma | Governor – Jagdish Mukhi

602. On September 21, Union Finance Minister Nirmala Sitharaman launched "Bharat Vidya", an online learning platform for Oriental and South Asian studies. Designed and developed by the Bhandarkar Oriental Research Institute (BORI), Bharat Vidya is a first-of-its-kind online platform, which will offer both free and paid courses covering various aspects of Indology pertaining to art, architecture, philosophy, language and science. Six course were announced - Veda Vidya, Bharatiya Darshanshashtra, Sanskrit learning, 18 Parvas of Mahabharata, Fundamentals of Archaeology, and Kalidasa & Bhasha. [{Read more}](#)

Key Points:

- Nirmala Sitharaman – launched "Bharat Vidya", an online learning platform for Oriental and South Asian studies
- It is designed & developed by – Bhandarkar Oriental Research Institute (Pune, Maharashtra)

603. On September 24, the International Solar Alliance (ISA) launched a Corporate Advisory Group on the sidelines of the 13th Clean Energy Ministerial (CEM 13) held in Pittsburgh, US. The advisory group is headed by Pranav R Mehta, an Indian corporate sector leader from the solar industry. The group would bring together the Corporate Sector and the Solar Industry Sector. Mehta is the founder and Chairman of the National Solar Energy Federation of India (NSEFI) and Director of the Global Solar Council. Moreover, during the CEM 13, it was announced that India will host the 14th edition of the Clean Energy Ministerial (CEM) in July, 2023. [{Read more}](#)

Key Points:

- ISA – launched a Corporate Advisory Group on the sidelines of the 13th Clean Energy Ministerial (CEM 13)
- The advisory group is headed by – Pranav R. Mehta
- Pranav R. Mehta: Founder & Chairman National Solar Energy Federation of India & Director of the Global Solar Council
- India – will host the 14th edition of the Clean Energy Ministerial (CEM) in July, 2023
- HQs of ISA – Gurugram, Haryana | DG – Ajay Mathur | Signatory Countries – 110 | Member countries – 90

604. In an effort to include the common man more directly in the development of the state, Chief Minister Yogi Adityanath announced to launch the "Uttar Pradesh Matrabhumi Yojana" portal on the occasion of the birth anniversary of Mahatma Gandhi on October 2. Under the scheme, the government will bear 40% of the total cost of the project, including construction of a community building, hospital, school, or common service center while the remaining 60% will be contributed by the people interested. [{Read more}](#)



Key Points:

- UP Government – announced to launch the “Matrabhumi Yojana” portal on October 2
- State Govt will bear 40% of the total cost of the project, while the remaining 60% will be borne by the people interested
- UP: Capital – Lucknow | CM – Yogi Adityanath | Governor – Anandiben Patel

605. A 4-day “Jigyasa for Renewable Fuel” program under ‘Jigyasa 2.0’ program was successfully organized for the students of 11th class of Scindia Kanya Vidyalaya, Gwalior during 29 August to 1 September, 2022 at CSIR-Indian Institute of Petroleum (CSIR-IIP), Dehradun, Uttarakhand. The program was inaugurated by Dr. Anjan Ray, Director, CSIR-IIP Dehradun. The main objective of the program is to give an exposure to different technologies developed for the utilization of non-edible vegetable oils, used cooking oil and waste plastic to different types of fuels. [{Read more}](#)

Key Points:

- A 4-day “Jigyasa for Renewable Fuel” program under ‘Jigyasa 2.0’ program was organized in Dehradun, Uttarakhand
- The program was inaugurated by – Dr. Anjan Ray (Director of CSIR-IIP, Dehradun)
- Uttarakhand: Capital – Dehradun & Gairsain | CM – Pushkar Singh Dhami | Governor – Lt. Gen. Gurmit Singh

606. On September 23, Indian Railways announced that it is installing “Real-Time Train Information System (RTIS)” on locomotives and trains for automatic acquisition of train movement timing at the stations. The RTIS is developed in collaboration with the ISRO. They get automatically plotted on the control chart of those trains in the Control Office Application (COA) system. RTIS devices have been installed for 2700 locomotives in 21 electric loco sheds. [{Read more}](#)

Key Points:

- Indian Railways is installing “Real-Time Train Information System (RTIS)” on trains for real-time train tracking
- The RTIS is developed in collaboration with the ISRO
- HQs of Indian Railways – New Delhi | Chairman & CEO – Vinay Kumar Tripathi
- HQs of ISRO – Bengaluru, Karnataka | Director – S. Somanath | Formed on – August 15, 1969

607. On September 23, the 9th meeting of the Joint Committee on Water Resources (JCWR) was held in Kathmandu, Nepal. The meeting was co-chaired by Pankaj Kumar, Secretary, Department of Water Resources, River Development and Ganga Rejuvenation, Ministry of Jal Shakti. This was preceded by the 7th meeting of the Joint Standing Technical Committee on Water Resources on September 21-22. This meeting was co-chaired by M. K. Srinivas, Chairman, Ganga Flood Control Commission, Patna. These meetings comprehensively reviewed the bilateral water-sector cooperation between India and Nepal, including the implementation of the Mahakali Treaty, the Sapta Kosi-Sun Kosi Project and cooperation in areas of flooding and inundation. The Mahakali Treaty was signed in 1996 over the integrated development of the Mahakali River. Sapta Kosi High Dam is a multipurpose project proposed to be constructed on the Saptakosi River of Nepal. [{Read more}](#)

Key Points:

- Pankaj Kumar – co-chaired the 9th meeting of Joint Committee on Water Resources (JCWR) held in Kathmandu, Nepal
- MK Srinivas – co-chaired the 7th meeting of Joint Standing Technical Committee on Water Resources held in Kathmandu
- Mahakali Treaty (signed in 1996) + Sapta Kosi-Sun Kosi Project = both between India & Nepal
- Sapta Kosi High Dam (constructed on Saptakosi River) – in Nepal
- Nepal – Kathmandu – Nepalese Rupee | President – Bidhya Devi Bhandari | PM – Sher Bahadur Deuba



608. On September 24, the Ministry Environment, Forest and Climate Change (MoEFCC) is set to launch “Swachh Vayu Sarvekshan” that promotes ranking of 131 cities in India for implementing City Action Plans prepared as part of National Clean Air Programme (NCAP) for reducing air pollution up to 40% by 2025-26. 131 cities are categorized into three groups based on population. Cities are required to do the self-assessment as per the framework provided on PRANA online portal. This assessment is carried out annually. Cities have to report implementation of activities and measures taken in respect of solid waste management, road dust management, management of construction and demolition waste, control of vehicular emissions and industrial pollution. It was informed that based on the self-assessment and third party assessment, 3 best performing cities in each group will be given cash award. [{Read more}](#)

Key Points:

- MoEFCC – to launch “Swachh Vayu Sarvekshan” that promotes ranking of 131 cities to implement City Action Plans
- NCAP aims reduce air pollution up to 40% by 2025-26

609. On September 26, Odisha Chief Minister Naveen Patnaik released 5 edited Volumes of “Encyclopaedia of Tribes in Odisha” published by Scheduled Castes and Scheduled Tribes Research and Training Institute (SCSTRTI) and Odisha State Tribal Museum. Odisha is the only State till now to publish an Encyclopaedia of all Tribes. The encyclopaedia contains 418 research articles on the tribals. [{Read more}](#)

Key Points:

- Naveen Patnaik – released 5 edited Volumes of “Encyclopaedia of Tribes in Odisha”
- It was published by = SCSTRTI + Odisha State Tribal Museum
- [Odisha: Capital – Bhubaneswar](#) | [CM – Naveen Patnaik](#) | [Governor – Ganeshi Lal](#)

610. On September 27, Uttar Pradesh was awarded the “Ayushman Utkrishtata Award 2022” at the ‘Aarogya Manthan’ programme held in Delhi for adding various facilities to the National Health Facility Register (NHFR). Uttar Pradesh has opened around 2 Crore Ayushman Bharat Health Accounts (ABHA), making it the second state in the nation to do so. According to a government release, UP was the Best Performing State in the nation after it added 28,728 new health facilities to the National Health Facility Register. Karnataka ranked second with 23,838 healthcare facilities, followed by Andhra Pradesh (13,335). The users of eSanjeevani can create their 14-digit unique Ayushman Bharat Health Account (ABHA) number and use it to link their existing health records. [{Read more}](#)

Key Points:

- ‘Aarogya Manthan’ programme – held in Delhi
- Uttar Pradesh – awarded the “Ayushman Utkrishtata Award 2022” for adding various facilities to the NHFR
- Best Performing State for adding new health facilities to the NHFR: 1st - UP, 2nd - Karnataka, 3rd - Andhra Pradesh
- ABHA number – 14 digits

International Affairs

611. In September 2022, the Global Climate Strikes were organised under the banner of “Fridays for Future (FFF)” campaign, a youth-led Climate Justice Movement. Thousands of young activists took to the streets across the world September 23, 2022, demanding stronger policies for loss and damage as well as climate reparation from governments in their countries. The campaign focused on providing a platform for the most affected people and areas (MAPA) to voice their demands. The global movement took place a day after ‘Loss & Damage Action Day’ on September 22. [{Read more}](#)

Key Points:

- Global Climate Strikes were organised under the banner of – “Fridays for Future (FFF)” campaign
- FFF campaign – a youth-led Climate Justice Movement
- September 22 – ‘Loss & Damage Action Day’



612. On September 23, the QUAD grouping decided to expand their scope of partnership with the signing of “Humanitarian Assistance and Disaster Relief (HADR)” partnership guidelines during a ministerial meeting hosted by the US on the sidelines of the United Nations General Assembly (UNGA) in New York. Union Minister of External Affairs S. Jaishankar participated in the meeting and termed HADR very timely. The minister also mentioned other initiatives in the pipeline like STEM fellowship. [{Read more}](#)

Key Points:

- QUAD grouping signed the “Humanitarian Assistance and Disaster Relief (HADR)” partnership guidelines
- QUAD countries – 4: India, US, Japan & Australia

613. On September 26, INS Tarkash made a visit to Port Gentil, Gabon as part of her on-going deployment in the Gulf of Guinea for anti-piracy patrol. This marked the first visit by any Indian Naval Ship to Gabon. INS Tarkash is the second Talwar-class frigate constructed for the Indian Navy. She was built at the Yantar shipyard in Kaliningrad, Russia. [{Read more}](#)

Key Points:

- INS Tarkash – marked the first ever visit by any Indian Naval Ship to Gabon by visiting Port Gentil
- Gabon – Libreville – CFA franc | President – Ali Bongo Ondimba | PM – Rose Christiane Ossouka Raponda

Banking, Finance, Insurance & Economic Affairs

614. On September 23, Union Bank of India opened the “Ethical Hacking Lab” at the Cyber Security Centre of Excellence (CCoE) in Hyderabad, Telangana. The lab with cyber defence mechanism will protect the bank’s information system, digital assets, and channels, against potential cyber threats. [{Read more}](#)

Key Points:

- UBI – opened the “Ethical Hacking Lab” at the Cyber Security Centre of Excellence in Hyderabad, Telangana
- HQs of UBI – Mumbai, Maharashtra | CEO – A. Manimekhalai | Tagline – “Good People to Bank With”

Defence Affairs

615. On September 24, the Indian Army and the Defence Geoinformatics and Research Establishment (DGRE) jointly installed the “Avalanche Monitoring Radar”, first of its kind in India, in Sikkim. This radar has the capability to detect avalanches within three seconds of their triggering and will assist in saving valuable life of troops and civilians as also vehicles in super high altitude areas. Besides being used for detection of avalanches, this radar can also be employed to detect landslides. [{Read more}](#)

Key Points:

- Indian Army + DGRE = jointly installed the “Avalanche Monitoring Radar” in Sikkim (first of its kind in India)
- This radar can also be employed to detect landslides besides avalanches
- HQs of Indian Army – New Delhi | Chief – Lt. Gen. Manoj Pande | Vice Chief – Lt. General Baggavalli Somashekar Raj
- Sikkim: Capital – Gangtok | CM – Prem Singh Tamang | Governor – Ganga Prasad



616. On September 22, the Ministry of Defence (MoD) signed a contract with BrahMos Aerospace Pvt Ltd (BAPL) for acquisition of additional dual-role capable Surface to Surface BrahMos missiles at an overall approximate cost of Rs 1700 Cr under “Buy-Indian” Category. In March this year, India had successfully test-fired surface-to-surface cruise missile BrahMos at Andaman and Nicobar Island. The range of the advanced version of this BrahMos missile was extended to around 350 km from the original 290 km. BrahMos missile flies at a speed of 2.8 Mach or almost three times the speed of sound. [{Read more}](#)

Key Points:

- MoD + BrahMos Aerospace = a contract for additional dual-role capable Surface to Surface BrahMos missiles
- Extended range of the BrahMos missiles – 350 km | Speed – 2.8 Mach
- BrahMos missiles – developed by BrahMos Aerospace - a JV between DRDO (India) & Mashinostroyeniya (Russia)
- HQs of BrahMos Aerospace Pvt Ltd – New Delhi | DG – Atul Dinkar Rane
- Minister of Defence: Rajnath Singh | Constituency – Lucknow, Uttar Pradesh
- MoS in Ministry of Defence: Ajay Bhatt

Sports & Games

617. On September 24, Jhulan Goswami of West Bengal, the highest wicket-taker in women’s ODI history, announced to retire from International Cricket after the final match of the ODI series between India and England. She made her debut in international cricket on January 6, 2002 (ODI). She is regarded as one of the greatest fast bowlers in the history of women’s cricket. She has to her name 253 ODI wickets (till the time of publishing the article), 44 Test wickets and 56 T20I wickets. “Chakda Xpress” is the biopic of Jhulan Goswami. [{Read more}](#)

Key Points:

- Jhulan Goswami (West Bengal) – announced her retirement from Cricketer
- She is regarded as one of the greatest fast bowlers in the history of women’s cricket
- “Chakda Xpress” is the biopic of – Jhulan Goswami

618. On September 25, West Zone won the “2022 Duleep Trophy” title after defeating South Zone by a massive margin of 294 runs in Coimbatore, Tamil Nadu. Mastercard was the sponsor of the 59th season of the Duleep Trophy held in 2020. It is a domestic first-class cricket competition played in India and named after Kumar Shri Duleepsinhji of Nawanagar (Jamnagar). [{Read more}](#)

Key Points:

- West Zone won the “2022 Duleep Trophy” title (defeating - South Zone)
- Mastercard was the sponsor of the 59th season of the Duleep Trophy, a domestic first-class cricket competition

Arts & Cultural Affairs

619. On September 25, Jews throughout the globe started celebrating the Jewish New Year, popularly called “Rosh Hashanah”. Rosh Hashanah is considered one of the holiest days in Judaism which begins on the first day of the Tishrei, the Hebrew calendar’s seventh month. Interestingly, Tishrei almost always coincides with September or October every year. The festival, meaning ‘first of the year’ or ‘head of the year’, is a time for reflection for all Jews. [{Read more}](#)



Key Points:

- On September 25, Jews throughout the globe started celebrating the Jewish New Year called “Rosh Hashanah”
- Tishrei, the Hebrew calendar’s seventh month, almost always coincides with September or October every year

Science & Technology

620. In September 2022, the NASA’s “DART” (Double Asteroid Redirection Test) spacecraft successfully crashed into the asteroid Dimorphos. Scientists expect the impact to alter the asteroid’s orbit/route. However, it will take a few weeks before NASA can determine how much the asteroid’s path was changed due to the impact. Scientists don’t yet know the exact mass of Dimorphos but it is estimated to be around 5 billion kilograms. The DART spacecraft weighs around 600 kilograms. [{Read more}](#)

Key Points:

- NASA’s “DART” (Double Asteroid Redirection Test) spacecraft – successfully crashed into the asteroid Dimorphos
- HQs of NASA – Washington D.C., US | Administrator – Bill Nelson | Founded in – 1958

621. In September 2020, Chinese researchers have discovered “Changesite-(Y)”, a new mineral on Moon. It is a phosphate mineral in columnar crystals found in lunar basalt particles. Changesite-(Y) is the sixth mineral discovered on the Moon by humans. The diamond-shaped mineral was found in the samples returned from the Moon by the Chang’e-5 lunar probe in 2020. [{Read more}](#)

Key Points:

- China – discovered “Changesite-(Y)”, a new mineral on Moon (overall 6th mineral discovered on the Moon by humans)
- Samples were collected by Chang’e-5 lunar probe
- China – Beijing – Renminbi | President – Xi Jinping

622. On September 25, “NROL-91”, a classified spy satellite for the U.S. National Reconnaissance Office, was launched into orbit aboard a ‘United Launch Alliance (ULA) Delta 4 Heavy rocket’. The satellite lifted off from Vandenberg Space Force Base in California’s Santa Barbara County. This was the 387th flight of a Delta rocket since 1960 and the 95th and final launch from Vandenberg. [{Read more}](#)

Key Points:

- “NROL-91”, a classified spy satellite for the U.S. National Reconnaissance Office, was launched into orbit
- It was launched aboard ‘United Launch Alliance Delta 4 Heavy rocket’ from Vandenberg Space Force Base, California
- US – Washington, D.C. – US Dollar | 46th President – Joe Biden | 49th VP – Kamala Harris

623. On September 26, China launched a Kuaizhou-1A carrier rocket to place two satellites namely - Shiyang-14 and Shiyang-15, in space. The pair of satellites was lifted off from the Taiyuan Satellite Launch Center in the northern province of Shanxi. The Shiyang-14 will mainly be used to conduct scientific experiments and verify new technologies, while the Shiyang-15 will provide data in the fields of land survey, urban planning, and disaster prevention and mitigation. It was the 18th flight mission of the Kuaizhou-1A series rockets. [{Read more}](#)

Key Points:

- China – launched a Kuaizhou-1A carrier rocket to place two satellites namely - ‘Shiyang-14’ & ‘Shiyang-15’, in space
- China – Beijing – Renminbi | President – Xi Jinping



624. On September 22, an indigenous loitering munition named “ALS 50”, capable of operating from difficult terrain and high altitude areas, was successfully tested at Pokhran, Rajasthan. Developed by Tata Advanced Systems Limited (TASL), the autonomous system is designed for Vertical Take Off and Landing (VTOL) and will soon be inducted into the Armed Forces.

[{Read more}](#)

Key Points:

- An indigenous loitering munition named “ALS 50” was successfully tested at Pokhran, Rajasthan
- ‘ALS 50’ was developed by – Tata Advanced Systems Limited (TASL) | Designed for – Vertical Take Off & Landing (VTOL)
- Rajasthan: Capital – Jaipur | CM – Ashok Gehlot | Governor – Kalraj Mishra
- HQs of Tata Advanced Systems – Hyderabad, Telangana | CEO – Sukaran Singh

Appointments & Resignations

625. On September 22, the Supreme Court appointed its former judge, Justice L. Nageswara Rao, to head the task of amending the Constitution of the Indian Olympic Association (IOA). The SC asked Justice Rao to prepare a road map for amending the constitution and holding elections by December 15, 2022. [{Read more}](#)

Key Points:

- Justice L. Nageswara Rao – appointed by the SC to head the task of amending the Constitution of IOA
- Justice Rao will prepare a road map for amending the constitution & hold elections by December 15, 2022
- Present Chief of Justice of the Supreme Court of India – Justice Uday Umesh Lalit (49th)

626. On September 26, IFS officer Bandaru Wilsonbabu, presently joint secretary in the Ministry of External Affairs, has been appointed as the next Ambassador of India to the Republic of Madagascar. Wilsonbabu replaces Ambassador Abhay Kumar. [{Read more}](#)

Key Points:

- Bandaru Wilsonbabu – appointed as the next Ambassador of India to Madagascar
- Madagascar – Antananarivo – Malagasy Ariary | President – Andry Rajoelina

627. On September 23, Lux Industries Limited has roped in Cricketer & President of the Board of Control for Cricket in India (BCCI) Sourav Ganguly as its brand ambassador for its brand Lux Cozi. The brand has also created a new television commercial film featuring Ganguly. Actor Varun Dhawan is also a brand ambassador for the product. Ashok Todi is the Chairman of Lux Industries Limited. [{Read more}](#)

Key Points:

- Sourav Ganguly – appointed as brand ambassador of Lux Cozi
- HQs of Lux Industries Limited – Kolkata, West Bengal | Chairman – Ashok Todi

628. On September 26, Packaged foods company Britannia Industries Ltd appointed Rajneet Singh Kohli as the company’s Chief Executive Officer. Meanwhile, Varun Berry, the company’s current Managing Director, was appointed as Executive Vice-Chairman and Managing Director of the company. [{Read more}](#)

Key Points:

- Rajneet Singh Kohli – appointed as CEO of Britannia Industries Ltd
- Varun Berry – appointed as Executive Vice-Chairman & MD of Britannia Industries Ltd
- HQs of Britannia Industries – Bengaluru, Karnataka | CEO – Rajneet Singh Kohli



Awards, Rewards, Recognition & Prizes

629. On September 23, the winners of the “2023 Breakthrough Prizes”, dubbed the “Oscars of Science”, were announced. Three prizes were awarded this year in the life sciences category, one for mathematics and one for physics. The Breakthrough Prize in Mathematics was awarded to Daniel Spielman. The prize in Fundamental Physics was shared by Charles Bennett, Gilles Brassard, David Deutsch and Peter Shor for their work in quantum information. Clifford Brangwynne and Anthony Hyman won a Life Sciences Prize for discovering a new mechanism of cellular organization. The other Life Sciences Prizes were awarded to Demis Hassabis and John Jumper for developing AlphaFold. The Breakthrough Prizes, created in 2010 by a group of Silicon Valley entrepreneurs, are the most richly endowed awards in science, disbursing more than the Nobel prizes. [{Read more}](#)

Key Points:

- “2023 Breakthrough Prizes” – is also dubbed as “Oscars of Science” (created in 2010)
- Winners in various categories are:
 - Mathematics – Daniel Spielman
 - Fundamental Physics – shared by Charles Bennett, Gilles Brassard, David Deutsch & Peter Shor
 - Life Sciences Prize – shared by Clifford Brangwynne & Anthony Hyman
 - Other 2 Life Sciences Prizes were awarded to – Demis Hassabis & John Jumper (separately)

630. On September 25, Indian-origin Home Secretary of Britain, Suella Braverman, is named winner of the first-ever “Queen Elizabeth II Woman of the Year Award” at the “Asian Achievers Awards (AAA) 2022” ceremony in London, UK. The 42-year-old barrister, was appointed to the UK Cabinet earlier in September, by British Prime Minister Liz Truss. [{Read more}](#)

Key Points:

- “Asian Achievers Awards (AAA) 2022” ceremony – held in London, UK
- Suella Braverman – named the winner of the first-ever “Queen Elizabeth II Woman of the Year Award”
- Suella Braverman (Indian-origin) – Home Secretary of Britain
- UK – London – Pound Sterling | PM – Rishi Sunak | New King – King Charles III

631. On September 24, President Droupadi Murmu conferred the “National Service Scheme (NSS) Awards” for the year 2020-21 at Rashtrapati Bhavan, New Delhi. A total of 42 awards were given in 3 different categories. 2 universities, 10 NSS units, their programme officers, and 30 NSS volunteers received the awards. The NSS Awards are given by Ministry of Youth Affairs and Sports. Awards are conferred to recognise and reward outstanding contributions towards voluntary community service with a view to further promoting NSS in the country. NSS is a Centrally Sector Scheme which was launched in the year 1969 with a motto of “Not Me, But You”. [{Read more}](#)

Key Points:

- President Droupadi Murmu – conferred “National Service Scheme (NSS) Awards” for the year 2020-21 to 42 awardees
- 2 Universities + 10 NSS units + 30 NSS volunteers = received the award
- NSS Awards are given by – Ministry of Youth Affairs & Sports
- HQs of NSS – New Delhi | Motto – “Not Me, But You” | Launched in – 1969





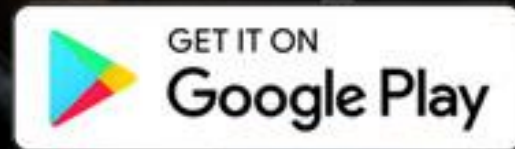
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Schemes & Initiatives

632. On 25 September 2022, “Make in India”, the flagship program of the Government of India that aspires to facilitate investment, foster innovation, enhance skill development, and build best-in-class manufacturing infrastructure, completed 8 years of path-breaking reforms. To attract foreign investments, Government of India has put in place a liberal and transparent policy wherein most sectors are open to FDI under the automatic route. The year 2021-22 recorded the highest ever FDI at \$83.6 billion. Launched in 2014, ‘Make in India’ is transforming the country into a leading global manufacturing and investment destination. Production Linked Incentive (PLI) scheme, across 14 key manufacturing sectors, was launched in 2020-21 as a big boost to Make in India initiative. [{Read more}](#)

Key Points:

- “Make in India”, the flagship program of the Government of India, completed 8 years on September 25, 2022
- It was launched in 2014 by PM Narendra Modi
- PLI scheme, across 14 key manufacturing sectors, was launched as part of this program

633. On September 22, With the aim of eradicating child marriage, Nayagarh, a tiny Odisha district, has adopted a unique initiative called “Aliva” to scrupulously record information on all adolescent girls in the district. As of now, the district has registered information of 48,642 adolescent girls in the registers named “Aliva”. [{Read more}](#)

Key Points:

- Nayagarh, a tiny district in Odisha – adopted a unique initiative called “Aliva” for eradicating child marriage
- Odisha: Capital – Bhubaneswar | CM – Naveen Patnaik | Governor – Ganeshi Lal



Important Days & Dates

634. Every year, September 26 is observed as World Environmental Health Day since 2011. It was established by the International Federation of Environmental Health (IFEH). The day is dedicated to informing people about the health of the environment and preserving it. In 2022, the theme is “Strengthening Environmental Health Systems for the implementation of the Sustainable Development Goals”. [{Read more}](#)

Key Points:

- September 26 – World Environmental Health Day – by International Federation of Environmental Health (since 2011)
- 2022’s Theme – “Strengthening Environmental Health Systems for implementation of Sustainable Development Goals”

635. Every year on September 25, World Pharmacist Day is commemorated with the goal of highlighting and advocating the pharmacist’s contribution to health improvement. The International Pharmaceutical Federation (FIP) Council first announced World Pharmacist Day in 2009 at the World Congress of Pharmacy and Pharmaceutical Sciences in Istanbul, Turkey. In 2022, the theme of the day is “Pharmacy United in Action for a Healthier World”. [{Read more}](#)

Key Points:

- September 25 – World Pharmacist Day
- 2022’s Theme – “Pharmacy United in Action for a Healthier World”

636. World Contraception Day (WCD) takes place on September 26 every year. Started in 2007, WCD's mission is to improve awareness of contraception and to enable young people to make informed choices on their sexual and reproductive health. Target 3.7 of the Sustainable Development Goals (SDGs) calls on countries to ensure universal access to sexual and reproductive healthcare services by 2030. [{Read more}](#)

Key Points:

- September 26 – World Contraception Day (since 2007)
- Target 3.7 of the SDGs – Universal access to sexual and reproductive healthcare services by 2030

637. Antyodaya Diwas is celebrated every year on 25 September to mark the birth anniversary of Bharatiya Janata Party (BJP) ideologue Pandit Deendayal Upadhyaya. Pandit Deendayal was born on 25 September, 1916 in Mathura district of Uttar Pradesh. He was an economist, journalist, humanist, philosopher and political activist. Antyodaya Diwas became a day of national importance in 2014 when Prime Minister Narendra Modi dedicated it to honour Pandit Deendayal by marking his birth anniversary. In the 1940s, Deendayal Upadhyaya launched "Rashtra Dharma", a monthly journal. [{Read more}](#)

Key Points:

- September 25 – Antyodaya Diwas (birth anniversary of Pandit Deendayal Upadhyaya)
- "Rashtra Dharma" a monthly journal was launched by – Pandit Deendayal Upadhyaya

638. The UN General Assembly commemorates 26 September as the International Day for the Total Elimination of Nuclear Weapons. This Day provides an occasion for the world community to reaffirm its commitment to global nuclear disarmament as a priority. The day was first observed in 2014. [{Read more}](#)

Key Points:

- September 26 – UN's International Day for the Total Elimination of Nuclear Weapons (since 2014)
- HQs of UNGA – New York, US | President – Csaba Korosi (Hungary) | Member Countries – 193

639. Celebrated on every fourth Sunday of September, in 2022, World Rivers Day was celebrated on September 25 to promote awareness about the importance of rivers and the threats being increased for them. The day was first observed in 2005. World Rivers Day is based on BC (British Columbi) Rivers Day, founded and led by Angelo in his native country since 1980. In 2022, the theme is "The importance of Rivers to Biodiversity". [{Read more}](#)

Key Points:

- September 25 (4th Sunday of September) – World Rivers Day (since 2005)
- 2022's Theme – "The importance of Rivers to Biodiversity"

640. The 42nd edition of "World Tourism Day" was observed globally on September 27, 2022. In 2022, the theme is "Rethinking Tourism: From Crisis to Transformation". The United Nations World Tourism Organization (UNWTO) instituted World Tourism Day in 1980. The official World Tourism Day celebration was held in Bali, Indonesia (host country), highlighting the shift towards tourism being recognized as a crucial pillar of development. [{Read more}](#)

Key Points:

- September 27 – 42nd World Tourism Day – instituted by UNWTO (since 1980)
- 2022's Theme – "Rethinking Tourism: From Crisis to Transformation"
- Host country of World Tourism Day 2022 – Indonesia
- HQs of UNWTO – Madrid, Spain | Secretary-General – Zurab Pololikashvili



Books & Authors

641. On September 26, a book titled “Wildlife India @50: Saving the Wild, Securing the Future” is edited by Manoj Kumar Misra. The book is a meaningful walk down memory lane peppered with personal anecdotes and nuggets from 30 writers who populate the pages. The contributors include forest officers, researchers, environmentalists, activists, and journalists. As for ordinary readers, the book is simply a delightful discovery of wildlife conservation and its chequered journey in India over the past five decades. The book is published by Rupa Publications India Pvt Ltd. [{Read more}](#)

Key Points:

- “Wildlife India @50: Saving the Wild, Securing the Future” book – edited by Manoj Kumar Misra
- Authored by – 30 writers | Published by – Rupa Publications India Pvt Ltd

Obituaries

642. On September 20, an American meteorologist Vernon Dvorak passed away at the age of 100. The “Dvorak Technique” for weather forecast, named after him, continues to be widely relied upon by forecasters till date. Dvorak technique was first developed in 1969 and tested for observing storms in the northwest Pacific Ocean. The technique has been upgraded multiple times since then, and after a recent software update in May this year, it has been named the Advanced Dvorak Technique (ADT). He was bestowed with the United States Department of Commerce Meritorious Service award in 1972. In 2002, he received a Special Lifetime Achievement Award from the National Weather Association. [{Read more}](#)

Key Points:

- Vernon Dvorak – American meteorologist – passed away
- The “Dvorak Technique” (named after Vernon Dvorak) for weather forecast is still used by forecasters

643. On September 24, American actress Louise Fletcher passed away at the age of 88. She won an Academy Award (Oscar Award) for ‘Best Leading Actress’ in 1976 for her role in the 1975 film “One Flew Over the Cuckoo’s Nest”. She was also nominated for two Emmy Awards. [{Read more}](#)

Key Points:

- Louise Fletcher – American Actress (Oscar Award winner) – passed away
- She won Oscar Award for ‘Best Leading Actress’ for her role in “One Flew Over the Cuckoo’s Nest”

Meetings, Conferences & Summits

644. On September 22, Jagdeep Dhankhar inaugurated the 3rd edition of the “Lok Manthan Program 2022” in Guwahati, Assam. The program highlights the North Eastern states and facilitates a dialogue that will bring out our traditional knowledge and heritage for the other parts of India. The theme of this year’s biennale is “Lokparampara” (Lok traditions). Arif Muhammad Khan, Governor of Kerala, will be the Chief Guest at the concluding session on September 24. [{Read more}](#)

Key Points:

- 3rd edition of the biennale “Lok Manthan Program 2022” – inaugurated in Guwahati, Assam
- Theme of 2022’s biennale program – “Lokparampara” (Lok traditions)
- Assam: Capital – Dispur | CM – Himanta Biswa Sarma | Governor – Jagdish Mukhi



645. On September 25, India as an observer attended the “Partners in the Blue Pacific (PBP) Foreign Ministers Meeting” in New York, US. During the meeting, the partners aimed to support the Pacific region and committed to working with the region to consider additional prospective initiatives including areas like education and infrastructure. The PBP is a five-nation ‘informal mechanism’ to support Pacific islands and to boost diplomatic, economic ties in the region. It consists of Australia, New Zealand, Japan, the UK and the US. [{Read more}](#)

Key Points:

- India – as an observer attended the “Partners in the Blue Pacific (PBP) Foreign Ministers Meeting” in New York, US
- PBP is a 5-nation ‘informal mechanism’ consisting of: Australia, New Zealand, Japan, UK & US

Ranks, Reports & Surveys

646. As per the “Sample Registration System (SRS) Statistical Report 2020” released on September 22, 2022 by Registrar General of India (RGI), India has been witnessing a progressive reduction in IMR, U5MR and NMR since 2014 towards achieving the Sustainable Development Goals (SDG) targets by 2030. India’s Under 5 Mortality Rate (U5MR) (per 1,000 live births) stood at 32 in 2020 (ranges from 36 in rural areas to 21 in urban areas). Infant Mortality Rate (IMR) in 2020 was 28 (Urban-19 & Rural-31). While Neonatal Mortality Rate (NMR) was 20 (ranges from 12 in urban areas to 23 in rural areas). Total Fertility Rate in India in 2020 remained 2 and Crude Birth Rate (CBR) was 19.5. As of September 2022, six states/ UT that have already attained SDG target of NMR (<=12 by 2030) are - Kerala (4), Delhi (9), Tamil Nadu (9), Maharashtra (11), Jammu & Kashmir (12) and Punjab (12). [{Read more}](#)

Key Points:

- “Sample Registration System (SRS) Statistical Report 2020” released by – Registrar General of India (RGI)
- In 2020: India’s U5MR (per 1,000 live births) – 32 | IMR – 28 | NMR – 20 | Total Fertility Rate – 2 | CBR – 19.5
- As of September 2022, 6 states/UT that have already attained SDG target of NMR (<=12 by 2030):
 - Kerala (4), Delhi (9), TN (9), Maharashtra (11), J & K (12) & Punjab (12)

647. The first “Breakthrough Agenda Report 2022”, released in September 2022, is a new report by the International Energy Agency (IEA), the International Renewable Energy Agency (IRENA) and the UN Climate Change High-Level Champions, focused on supporting stronger international collaboration to drive faster reductions in global greenhouse gas emissions. The report, requested by 45 world leaders, delivers a progress report on the actions needed to deliver on the historic clean technology commitment by governments. The Breakthrough Agenda aims to align countries’ actions and coordinate investment to scale up deployment and drive down costs across 5 key sectors - Power, Road Transport, Steel, Hydrogen and Agriculture. Together, these sectors account for nearly 60% of global greenhouse gas (GHG) emissions today and could deliver the bulk of the emission reductions needed by 2030. [{Read more}](#)

Key Points:

- First “Breakthrough Agenda Report 2022” released by = IEA + IRENA + UN Climate Change High-Level Champions
- It focuses on supporting stronger international collaboration to drive faster reductions in global GHG emissions
- It aims to align countries’ actions based on 5 key sectors: Power, Road Transport, Steel, Hydrogen & Agriculture
- HQs of IEA – Paris, France | Executive Director – Dr. Fatih Birol | Member countries – 30



MoUs, Collaborations & Partnerships

648. On September 23, the Electronics Sector Skill Council of India (ESSCI) signed an MoU with Samsung India, for a skilling initiative that aims to empower the youth with industry relevant skills in emerging technologies such as Artificial Intelligence, Internet of Things, Big Data and Coding & Programming, in a bid to enhance their employability. The programme, 'Samsung Innovation Campus' aims to upskill over 3,000 unemployed youth from 18-25 years of age in future technologies, in partnership with the government's Skill India initiative. The programme will be executed by ESSCI, which is an entity of National Skill Development Corporation (NSDC). [{Read more}](#)

Key Points:

- ESSCI + Samsung India = an MoU to empower youth with industry relevant skills in emerging technologies
- The programme 'Samsung Innovation Campus' – aims to upskill over 3,000 unemployed youth from 18-25 years of age
- ESSCI is an entity of National Skill Development Corporation (NSDC)
- HQs of NSDC – New Delhi | CEO – Ved Mani Tiwar | Chairman – A. M. Naik (works under MoSDE)

649. On September 24, Bharat Petroleum Corporation Ltd (BPCL) signed an agreement with Brazilian national oil company, Petrobras, for sourcing crude oil from the Latin American nation as part of plans to diversify its sourcing needs. BPCL imports a large volume of crude oil which is turned into fuel such as petrol and diesel at its three oil refineries at Mumbai, Bina in Madhya Pradesh and Kochi in Kerala. Bharat PetroResources Limited (BPRL), the upstream oil and gas exploration and production subsidiary of BPCL, plans to invest \$1.6 billion to develop an oil block in Brazil. [{Read more}](#)

Key Points:

- BPCL + Petrobras (Brazil) = an agreement for sourcing crude oil from Brazil as part of plans to diversify its sourcing needs
- BPRL (a subsidiary of BPCL) – plans to invest \$1.6 billion to develop an oil block in Brazil
- Brazil – Brasilia – Brazilian Real | President – Jair Bolsonaro

650. On September 26, JMC Projects (India) and Government of Maldives signed a contract for Maldives Hanimaadhoo International Airport Development Project. It is the first ever major infrastructure project to be undertaken outside Greater Male' region and is funded under the USD 800 million concessional Line of Credit (LoC) extended by Government of India to the Maldives. The total contract value is approx USD 136 million. [{Read more}](#)

Key Points:

- JMC Projects (India) + Maldives Govt = a contract for Maldives Hanimaadhoo International Airport Development Project
- HQs of JMC Projects (India) – Mumbai, Maharashtra | MD & CEO – Shailendra Kumar Tripathi
- Maldives – Male – Maldivian rufiyaa | President – Ibrahim Mohamed Solih





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